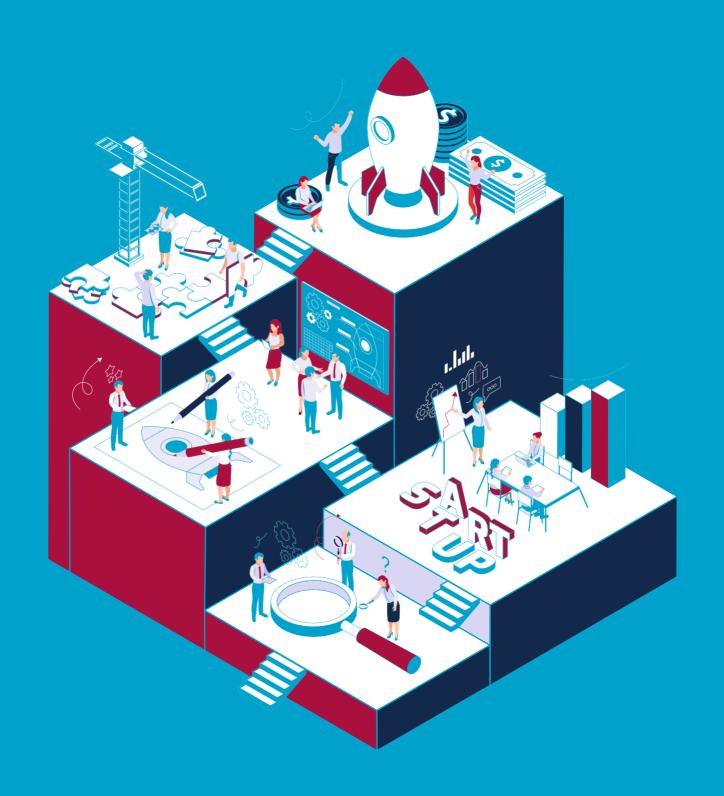
#### ASEAN's

## Growth & Scale Talent Playbook

Every founder's ultimate guide to talent attraction, management, and retention.



#### Table of contents





### Foreword by Coordinating Minister for **Economic** Affairs of Indonesia

We have had the front seat to witness how Indonesia, and, by extension, Southeast Asia built their digital ecosystems from the ground up with astonishing results in the past decade. Even so, I believe this is just the beginning of greater things from the region and we are off to a faster, better digital development in the longer term.

In the coming years, technology adoption is expected to grow even more rapidly. The next industrial transformation will lead to "Society 5.0" or "Society of Intelligence," where the physical space and cyber world will be tightly integrated. The boom of new technologies such as Metaverse, Blockchain, NFT, and Web 3.0 will also see them become a fixture in certain aspects of people's lives. The importance of infrastructure, human capital, digital literacy, regulation, and mindset development have become very—if not more—evident for Indonesia should the nation and the region want to continue this trajectory of acceleration and become the next global digital powerhouse.

The Indonesian Government believes that efforts to improve the quality of human resources require multi-party coordination and synergy, including from companies, education institutions, and other industry players. This ASEAN Growth & Scale Talent Playbook is one example of how industry players can contribute to this effort through research and insights sharing. I hope it can serve as a guide to promote the advancement of the digital economy ecosystem in Indonesia and the greater region.



Dr. (H.C.) Ir. Airlangga Hartarto, M.B.A., M.M.T., IPU. Coordinating Minister for Economic Affairs of Indonesia



# Foreword by

The COVID-19 pandemic has pushed the economy toward a new, vastly different form of labor market. Jobs in health and essential sectors have gained recognition, although much is to be done to improve wages and working conditions in those sectors. As we grapple with the crisis, the ability to work remotely (teleworking) and operate or develop digital technology in production and service lines (automation) is becoming key to employability.

This pandemic era has accelerated digital transformation in the world of work. The digital transformation is creating some well-paid employment opportunities that require strong digital expertise, such as data scientists, web designers, and artificial intelligence specialists. Indonesia's capacity to grow, compete, and thrive in a global economy has become dependent on individuals being able to access and use the right skills at the right time. Now more than ever, as we recover from COVID-19 and the impact on the economy, we need to understand what is happening in the labor market, especially for digital talent.

To this end, the strategic relevance of digital accessibility is increasing for companies that seek to ensure accessible solutions for their clients while at the same time ensuring digital accessibility in its own functioning and within its supplier network. It is essential for these persons to possess the wide range of digital skills that are needed to perform jobs in the digital economy.

The Indonesian Government recognizes the critical importance of all stakeholders to work together to serve digital talent demand as it is projected that by 2030 there will be a shortage of 47 million digital talent in the region. The Ministry of Manpower has created The Nine Great Leaps, which consists of the transformation of Vocational Training Centers; employment link and match; transformation of the employment opportunity expansion program; development of young talent; expansion of the overseas job market; a new vision of industrial relations; supervisory reform; SIAPkerja digital ecosystem; and bureaucratic reform to answer the current challenges.



# Foreword by Minister of Manpower Republic of Indonesia

Through the Presidential Regulation Number 68 of 2022 concerning the Revitalization of Vocational Education and Vocational Training, the Indonesian Government also encourages the involvement of the business world to harmonize vocational education and training.

We really appreciate the initiative of Alpha JWC Ventures, Kearney, and GRIT to create this talent playbook report to provide employers, workers, students, and policymakers with a wealth of useful guidance.



Dr. Dra Hj. Ida Fauziyah, M.Si. The Minister of Manpower Republic of Indonesia



## Foreword by

Since the inception of Alpha JWC in 2016, we have been a firm believer that the role of a venture capital goes beyond capital injection. In the exciting and challenging journeys of entrepreneurship, founders need more than funds. What they need is a trusted partner who can provide support, guidance, experience, and knowledge to increase their chances of success.

That is how we view ourselves at Alpha JWC Ventures—hence our value creation arm that we have recently rebranded to Alpha-X. What this means is that we value add with our expertise to help our founders scale, and deliberate to help them succeed and grow to multiple of X.

What is that 'X' factor? Under Alpha-X, we provide best practices to our portfolio founders growing their capabilities in the areas of:

- Talents & Organization
- Marketing & Branding
- Public Policy & Government Relations
- Platforms & Partnerships

It is with the cumulative experience of the Alpha JWC team in the areas above, our extensive network of partners, and our track record that we are able to compile some of our insights and put forth this playbook to help founders in their talent management for growth and success.



Erika Dianasari Go Partner, Alpha-X, **Alpha JWC Ventures** 



## Foreword by Kearney

The digital landscape in ASEAN has grown remarkably in the past 10 years, where multiple homegrown startups have now become valuable unicorns, integral in improving the lives of millions within the region. From innovating new products and services to increasing the efficiency of traditional industry processes, the ASEAN region has grown immensely and still sees strong potential to reach greater heights.

In order to secure the region as a powerhouse for high-quality tech talent, it is imperative to ensure that the digital sector can **attract**, **nurture**, **and retain** talent, along with systematic intervention to improve the quality and quantity of the tech talent pool. Despite the attractiveness of the digital sector, the tech talent crunch continues to persist due to mismatches in employer and employee expectations and an overall lack of suitable tech talent in ASEAN considering the relative infancy of this sector in the region.

Through the collaborative efforts of Alpha JWC, Kearney, GRIT, and the 34 companies that have graciously offered their input, we have prepared this playbook that serves as a useful guide in effectively building and managing tech talent, for both startups and any company that hires tech talent. The 6 building blocks of proven best practices aims to ensure employers find, nurture, and retain the right talent while ensuring that employees stay engaged and motivated to grow with the firm. Additionally, potential systematic intervention examples by governments and institutions are showcased as leading examples for ASEAN countries to follow in terms of improving the quality and quantity of the locally available talent pool. It is exciting to see the region's development as a tech talent hub, and we hope this playbook provides useful guidance and insight to you.



Shirley Santoso
Partner and President Director,
Kearney



## Foreword by

GRIT was launched in Singapore in 2020 with the vision to be the leading automated platform for digital and technology talent in Asia. With significant and ongoing demand for digital native talent, particularly across Southeast Asia, we are committed to building the ecosystem of choice for talent to find their dream roles and companies to onboard the best talent to fulfil their company vision.

GRIT specializes in working with digital native companies across exciting categories that include Fintech, Blockchain, Web3, Crypto, e-commerce, traveltech, propertytech, healthtech, edtech, and social platforms. We aim to bring value to both talent and companies through the use of our proprietary technology platform, AI, and data insights. The opportunity to work with Alpha JWC and Kearney in bringing this playbook to founders to help them benefit from the insights to build a scalable, successful venture is one we are very proud of.

Thank you to all those founders who kindly took the time to share their own experience and to the hundreds of talent that gave their input on their personal drivers for joining and staying with a company.

The findings from this report outline the significant opportunity the region offers in the coming years. We created this playbook in partnership with founders and talent to offer you the insights to help onboard and retain your company's greatest resource—talent.

There are incredible opportunities that are being presented in the region and we hope this playbook will help guide you with your own organization strategy and play a part in your successful journey in this world of digitization.



**Paul Endacott** Founder and CEO, **GRIT** 



### **Endorsement** from Industry

On behalf of the Indonesian Chamber of Commerce or KADIN Indonesia, I would like to congratulate you on launching the ASEAN Growth & Scale Talent Playbook. This report will undoubtedly serve as a guide for Indonesian startups and companies at large for hiring and retaining digital talent in their organizations.

According to a survey conducted by Bank Indonesia in 2021, 20% of Indonesia's MSMEs were able to mitigate the impact of the pandemic by digitizing their businesses and successfully tapping into online marketing media. As over 90% of businesses in Indonesia are under the MSMEs category, in a way, Indonesia owes its economic resilience to these digital talent and platforms, which have proven to be pandemic-proof.

Apart from resilience, there are many upsides to digitizing the Indonesian economic landscape. By going digital, Indonesia can unleash the next level of economic growth up to \$150 billion in annual economic impact by 2025. Indonesia is the largest e-commerce market in Southeast Asia, generating roughly \$2.5 billion in new consumption revenue today and a likely \$20 billion by 2022. In Indonesia, 4.0 technologies have the potential to push productivity gains of 40 to 70% for individual companies, adding a net 20 million jobs by 2030 and creating an additional \$120 billion in annual economic output.

We've seen how digital talents have helped the economy recover from the lingering effects of contagion. However, the fact of the matter is that we are aware that our labor force competitiveness still has room for improvements—mainly due to a lack of demand-driven education and supporting infrastructure.



### **Endorsement** from Industry

To address this, we at KADIN were mandated to assume an active role in the national vocational education task force to revamp the system. With this role entrusted to us, we have made great strides, collaborating with international partners across countries in Germany and Switzerland to create a demand-driven curriculum and catalyzing industries to play an active role in national human resources development. This includes ensuring students are learning the latest technologies and relevant skills that are in demand.

The responsibilities to retain and develop national digital talent are ours. We need to create a fair, enjoyable, and appreciative ecosystem for these talents, including ensuring attractive compensation, providing room for them to grow with clear career progression, and fostering an inclusive and tolerant organizational culture.

I hope this playbook can complement our effort and help both the public and private sectors to develop and secure digital talent in the country, thus contributing to the country's prosperity and everlasting economic growth.



M. Arsjad Rasjid P.M. Chairman of Indonesian **Chamber of Commerce** and Industry



### Research Methodology

#### 6 out of 10 ASEAN countries, 95% of ASEAN economy













600+

**Startup employees** surveyed

34

**Companies surveyed** and interviewed

**Perspective interviews** conducted



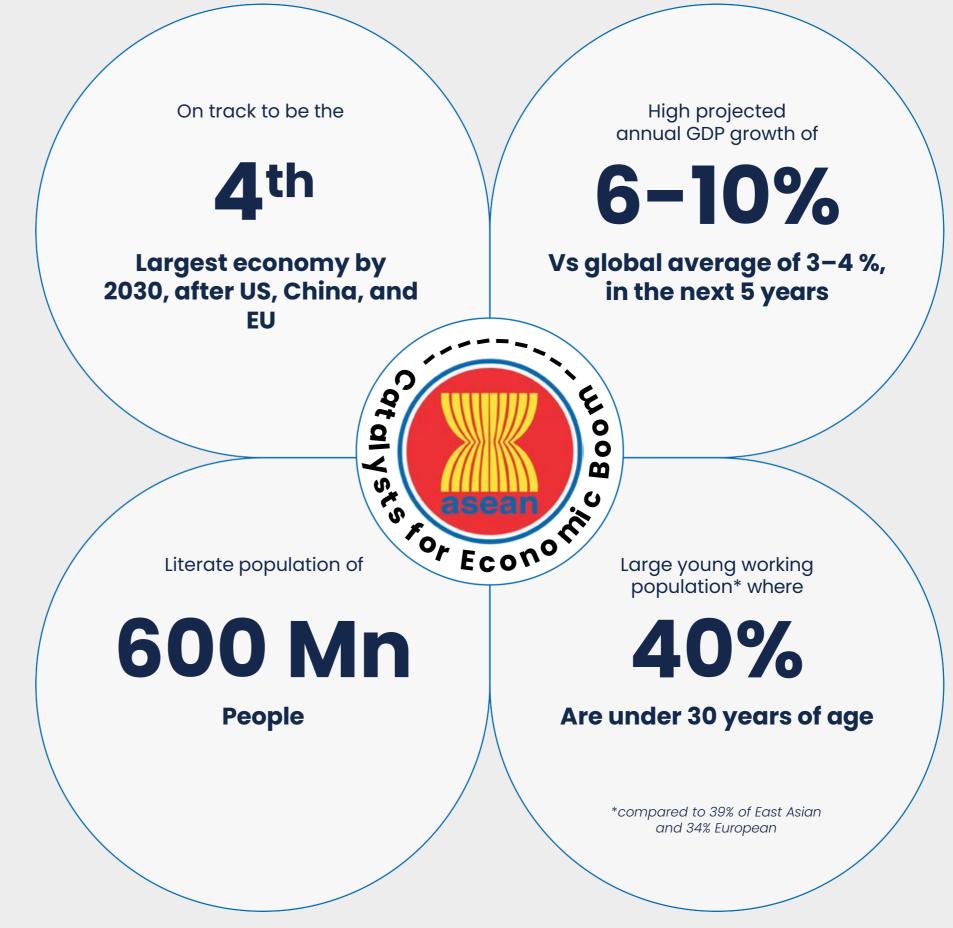




Painting a picture of digital talent requirements in ASEAN



ASEAN, with significant demographic bonus, is on track to become the 4<sup>th</sup> largest economy by 2030



#### **ASEAN digital** economic boom



**Internet Penetration** 



**Demand for Digital Services** 



**Digital Investment** 





The Need for **Better Productivity** & Better Customer **Experience** 



The Need for **Digitalization Process**  **Digitalization** of Traditional **Industries** 

#### **Added factors that boost** demand for local talent



**Localized Knowledge** and Skills

The importance of local context and nuances



**Wage Levels Constraint** in ASEAN Context

Wage gap reduces outsourcing possibilities



**Talent Required Beyond** Metro (Tier 1) Cities

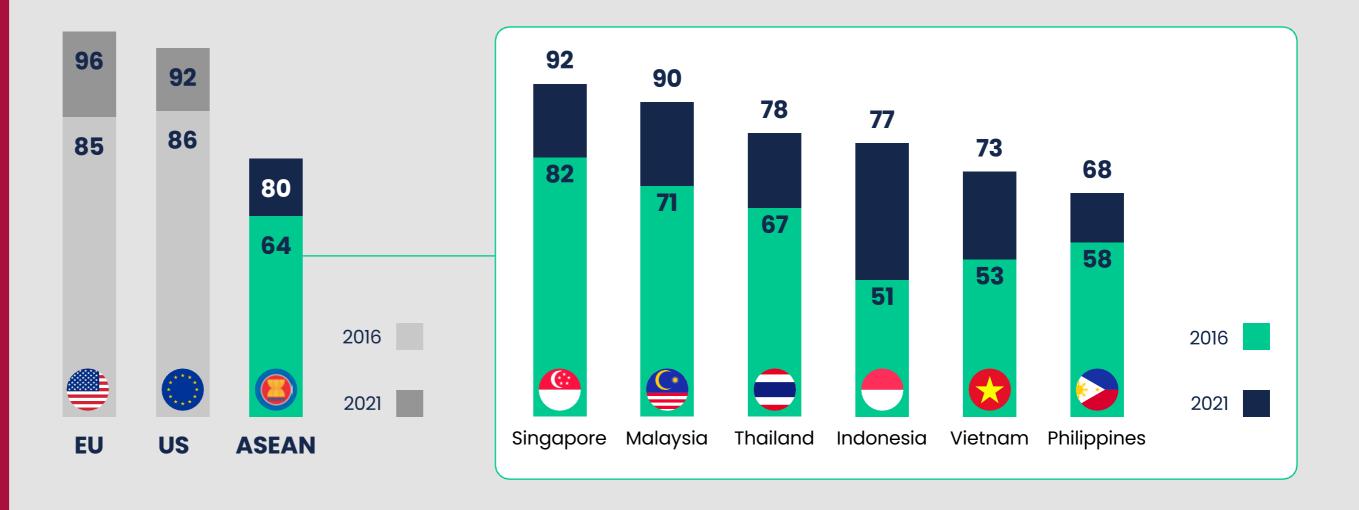
Growing startup space in tier 2/3 cities requires talent in those ares

**Large Demand for High-Quality and Highly Skilled ASEAN Digital Talent** 

# The significant increase in internet penetration rate across ASEAN countries is expected to drive demand for digital talent in the region

#### ASEAN, EU, and US Internet Penetration (2016 vs 2021)

Units (%)



Digital Business
Internet Penetration



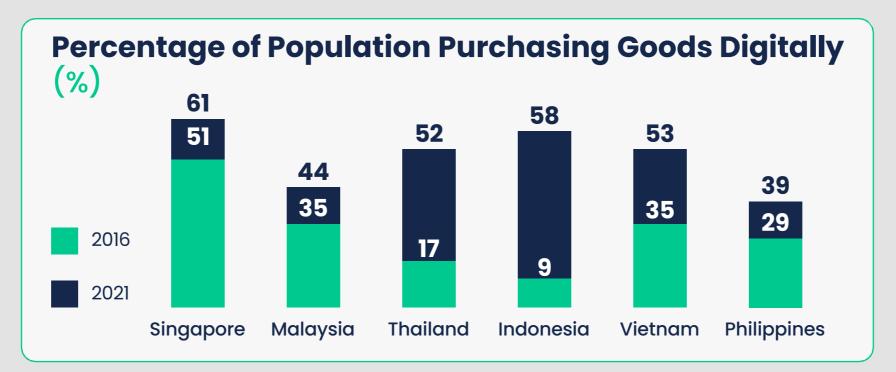


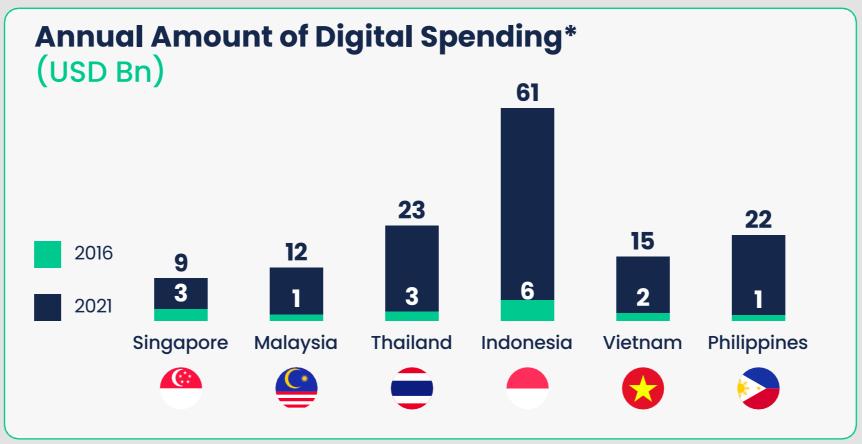


ASEAN countries experienced much higher internet penetration growth in the past 5 years, a trend which will likely continue to grow and demand more talent.

However, some ASEAN countries need to establish proper infrastructure (internet/telecommunication connections and road networks) to enable even higher adoption in rural regions, and to also create opportunities for new tech businesses to reach customers (i.e., delivery accessibility, digital advertising, and engagement).

# The trend shows that more customers are accustomed to purchasing goods online across ASEAN





The behavior of ASEAN customers has significantly shifted in the past 5 years, with more people being accustomed to purchasing goods online. Indonesia leads with the biggest jump, with an additional 49% of the population purchasing goods online in 2021 compared to 2016.

In annual amount spent, Indonesia also leads with an increase of 8.6x in the same 5-year period. This trend is caused by emerging e-commerce and startups providing digital services such as Tokopedia, Bukalapak, Shopee, Lazada, and more.

The COVID pandemic not only accelerated digital adoption in SEA, but also created new customer behaviors and habits, and business opportunities.

Digital Business

**Demand for Digital Services** 







## The number of unicorns in ASEAN tripled in 2021 alone











Fintech (26%)

E-commerce (20%)

Logistics (11%)

Diversified Internet (8%)<sup>2</sup>

**iji** Others (35%)<sup>3</sup>

34

**Total Unicorns in ASEAN** 

**76%** 

Unicorns from Singapore and Indonesia

B<sub>2</sub>C

**Business Model of most ASEAN Unicorns** 



Many unicorns have started over the past decade. It is noteworthy that 26 unicorns were formed after 2010 with ~60% of the companies being formed during 2011–15, highlighting the accelerated pace of new company formation.

<sup>1.</sup> Number of unicorns includes decacorns.

<sup>2.</sup> Diversified Internet refers to companies in multiple industries (e.g., GoTo).

<sup>3.</sup> Others refers to edu-tech, travel, software, real estate, etc.

Source: Credit Suisse analysis

# Most ASEAN countries are experiencing higher growth in annual capital investment in startups compared to US, China, and India

XX% Growth of annual capital invested in startups from 2016 to 2021

XX Bn Capital invested in startups in 2021

Digital Business

**Digital Investment** 







### Total Invested Capital and Growth of Invested Capital for the Year 2016 vs 2021

(USD Bn)

(300 011)	
US	China
43%	16%
299.1 Bn	105.5 Bn
India	ASEAN
<b>◎</b>	
63%	72%
30.1 Bn	19.5 Bn



The annual capital investment for most ASEAN countries, especially Malaysia, Thailand, Vietnam, and Philippines, is still extremely small compared to their Indonesian and Singaporean peers, and US, China, and India. We expect the number will grow even more significantly in the next 5 years.

#### **Key Drivers of Growth:**

- Maturing markets in US
- Tighter regulations in China
- High growth rate for digital penetration in ASEAN
- Increasing quality, experience, and caliber of founders in ASEAN

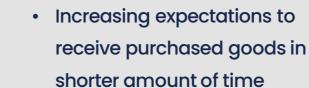
#### Companies' ability to increase productivity and meet customer expectations is more important than ever

#### **Productivity**

#### (Company's Perspectives)

- · Optimize production and delivery time
- Decrease inventory turnover
- Increase efficiency of projects through better tools and analytics





 Less wait time in expecting customer's resolution

**Customer Experience** 

(Customer's Perspectives)

 The need to reduce OPEX through automations and

predictive learnings

 Better allocation of resources (material, human, intellectual, and financial)



- More affordable products
- Free or low delivery costs

- Ability to target and reach new market (regions, countries, demographics)
- · Access to wider range of resources
- Sustainable growth



**REACH** 

- Access to wider product assortment
- Access to bigger options of sales support (logistics, payment options, etc.)
- Access to better customer service and increased touch points

Digitalization of Traditional Industries

The Need for Better Productivity & Better Customer Experience





In this age of digital transformation, companies must meet 2 criteria to increase their chances of success in their respective industries and to stay competitive:

- 1. Increase sustainable productivity levels through technology
- 2. Foresee and fulfill increasing and changing customer needs and expectations

To meet these requirements, companies need to hire talent proficient in technology and CX that can help companies meet their objectives.

# Various sectors would require talents that possess the skills to help companies digitalize their processes

#### **Industry**

#### **Use Cases of Digitalization**



**RETAIL** 

Centralized database for company products and customers
 Automated and transparent order fulfillment and chipment.

• Automated and transparent order fulfillment and shipment (EDI or web platform), reducing the time required to fulfill orders

- The use of analytics (match consumer interest), SEO, and CRM
- · Seamless checkout and order control



· On-demand access to doctors and healthcare services

- Remote (self-) diagnosis and prescriptions and real-time health monitoring through wearable technology
- Virtual communication and diagnosis between patients and doctors
- Paperless portals and digitized end-to-end hospital customer operations



- Automated and Al-based customer service
- Digital advertising and mobile banking
- Blockchain as a new form of corporate financing and participation
- Corporate investments through ICOs (initial coin offerings) or STOs (security token offerings)



- Predictive analytics to reduce supply chain costs and maintenance needs
- Digital technology for rapid prototyping and 3D printing
- Automated and Al-based inventory management (ERP system) for increased accuracy and speed
- IoT platforms (big data), vendor portals, and automated bidding processes



Integrated planting & harvesting and yield data management

- Smart-farming technology adoption to increase yield productivity
- Digitalization of financial supply chain for agriculture stakeholders
- Farmer registry and plant databases

Digitalization—new business models, automation, and artificial intelligence—enables companies to reduce costs, improve efficiency, target new markets, increase revenue, and improve customer satisfaction and retention.

In order to do this, companies require specific talents that are able to help the organization innovate and improve its processes, products, and services.

Digitalization of Traditional Industries

The Need for Digitalization Process





# Language and local market understanding requirements drive further demand for local talent pool



Only 27% of the population speaks English fairly well

Vietnam

Thailand

Malaysia

Singapore

Home to more than 1k islands and 70 cultures, making local context unique and distinct

- 53% of the population speaks English
- Vietnam is becoming the next digital and tech offshore hub; familiarity with local customs will be an essential bridge between foreign business partners and Vietnam tech industry growth
- Around 60% of the population speaks English
- Has over 7k islands, requiring talent to have an understanding of Philippines' natural landscape





Has various cultures within one country, requiring talent that has a broad understanding across each culture's context and nuance



- Main language is English
- Consists of only small region and population, making it easy to navigate local context complexities
- No significant regulatory and landscape characteristics

- Only 21% of population speaks English
- Has over 17k islands. Talent requires understanding of the landscape complexity
- Emerging industries such as education and health tech need understanding of local regulations



The main distinguishing point is that each region has different languages and characteristics, such as culture, landscape, lingos, and regulations.









The large salary gap for digital talent between most ASEAN countries and US/EU reduces the feasibility of hiring overseas talent to mitigate the talent gap

**Boost in Demand:** 

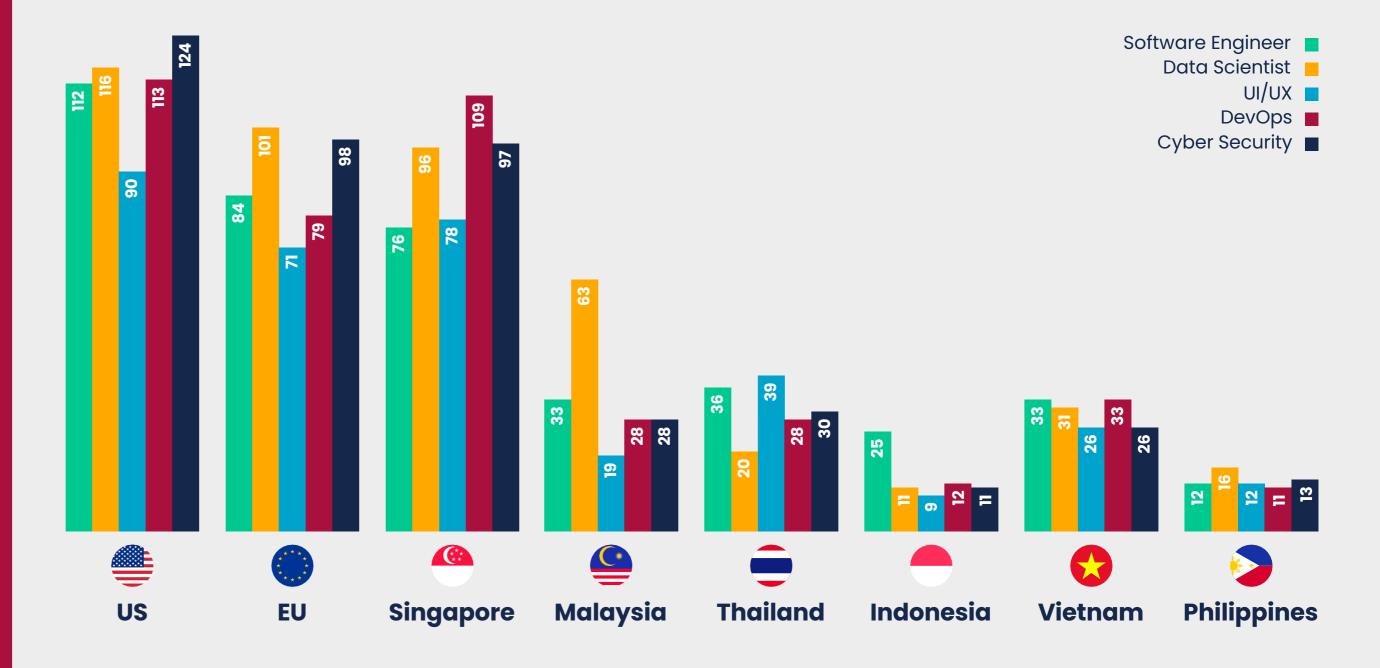
Wage Levels Constraint in ASEAN Context







### ASEAN, EU, US Average Annual Salaries for five in-demand digital roles (USD, Thousands)



Specific demands fortalent in tier 2/3 cities where startup boom is occurring adds extra requirement for talent demand in close proximities to these cities

#### The % of Growth of Number of Startups Founded in Tier 2/3 ASEAN Countries

2010-2015 vs 2016-2021

**Percentage of Startups** in Tier 2/3 Cities

The trend that shows increasing number of startups founded in tier 2/3 cities across ASEAN countries is expected to grow over the next 5 years. This suggests that the demand for digital talent will continue to increase in cities other than metro areas.











Malaysia



Singapore

N/A

49%

Malaysia

-1%

**Thailand** 

Singapore N/A

44%

**Thailand** 

18%











Indonesia

133% 100%

Vietnam

17%

**Philippines** 

Indonesia

12%

Vietnam

**Philippines** 

3%

50%

The growth of startups founded in tier 2/3 cities across ASEAN has increased significantly. Indonesia, which consists of many differing regions and islands, is leading the pack with double growth.

Although the percentage of startups in tier 2/3 cities in Thailand, Indonesia, and Vietnam is relatively small, there is still much room for growth in the startup scene in these cities in the next 5 years.

**Boost in Demand:** 

**Talent Required Beyond** Metro (Tier 1) Cities



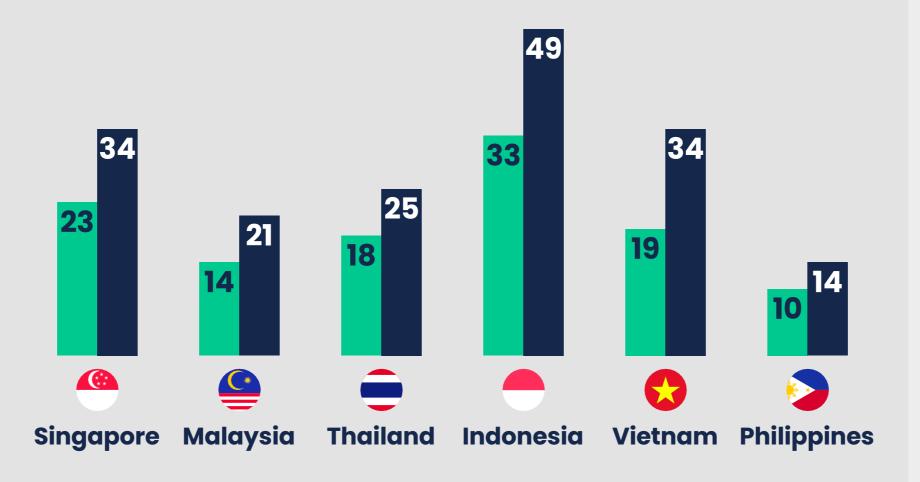




Given strong ICT market growth of 1.4x to 1.8x by 2026, the amount of digital talent required will similarly see strong demand

#### ICT<sup>1</sup> market across ASEAN countries from 2021 to 2026





In line with strong ICT market growth of 1.4x to 1.8x, the amount of digital talent required will increase in a similar manner.

This aggressive demand for talent needs to be met in order for ASEAN to accelerate its position as an economic powerhouse in digital.

Large Demand for High-Quality and Highly Skilled ASEAN Digital Talent •

Evolving digital talent landscape and key challenges for companies and candidates





Out of the 34 companies surveyed, 9/10 stated facing difficulties in hiring digital talent; 91% of startup employees are open to leaving their existing jobs

### 9/10 startups

face challenges in recruiting tech talent.



#### **Top 3 challenges**

- 1. Competitive Rewards & Compensation
- 2. Skills & Experience Mismatch
- 3. Solid Employer Branding

## 91% of employees

are open to leaving their existing jobs.



#### **Top 3 reasons**

- 1. Competitive Rewards & Compensation
- 2. Misalignment in Mission and Culture
- 3. Lack of Growth Opportunities

From the companies surveyed, early-stage firms face a greater problem with compensation while later-stage firms and corporates face a greater problem with perceived corporate branding

#### Top-Ranked Challenges Faced by Employers in Recruiting the Right Talent

% of employers that selected the challenge as a key challenge

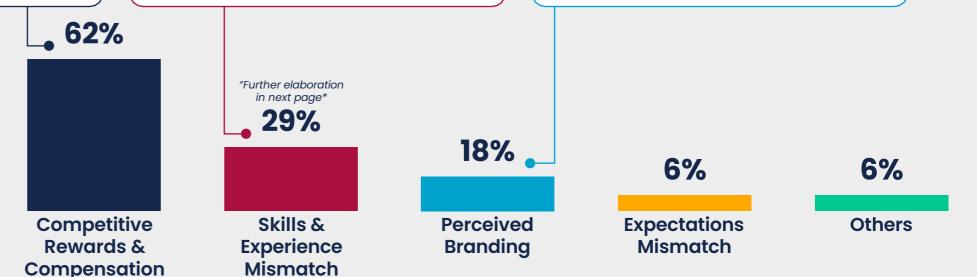
"Despite having a good reputation within the startup market, we cannot compete with big tech firms such as SAP, FB, and Google that already have deeper pockets."

- Founder of a talent acquisition tech startup

"It is common for tech candidates to be proficient in their technical skills, but many often lack the communication, people management skills, and business acumen to communicate their work to others."

"Many tech talents are less inclined to join a telco company as the industry is perceived to be "traditional" with highly structured culture and norms."

> Digital business lead of an ASEAN telco firm



\_noDokter

#### **Definition of challenge**

- Startups often cannot compete with big tech firms with deeper pockets.
- Founders' understanding of market rates may vary.
- Employees lack the necessary technical and non-technical capabilities.
- Employees lack relevant experience.
- Some companies don't focus on the right branding areas and don't have appropriate branding strategies in place.
- Employees are not prepared to meet the requirements of the job, including the workload, working hours, and other factors.

Extent of challenge for early-stage<sup>1</sup> companies









Extent of challenge for late-stage<sup>1</sup> companies









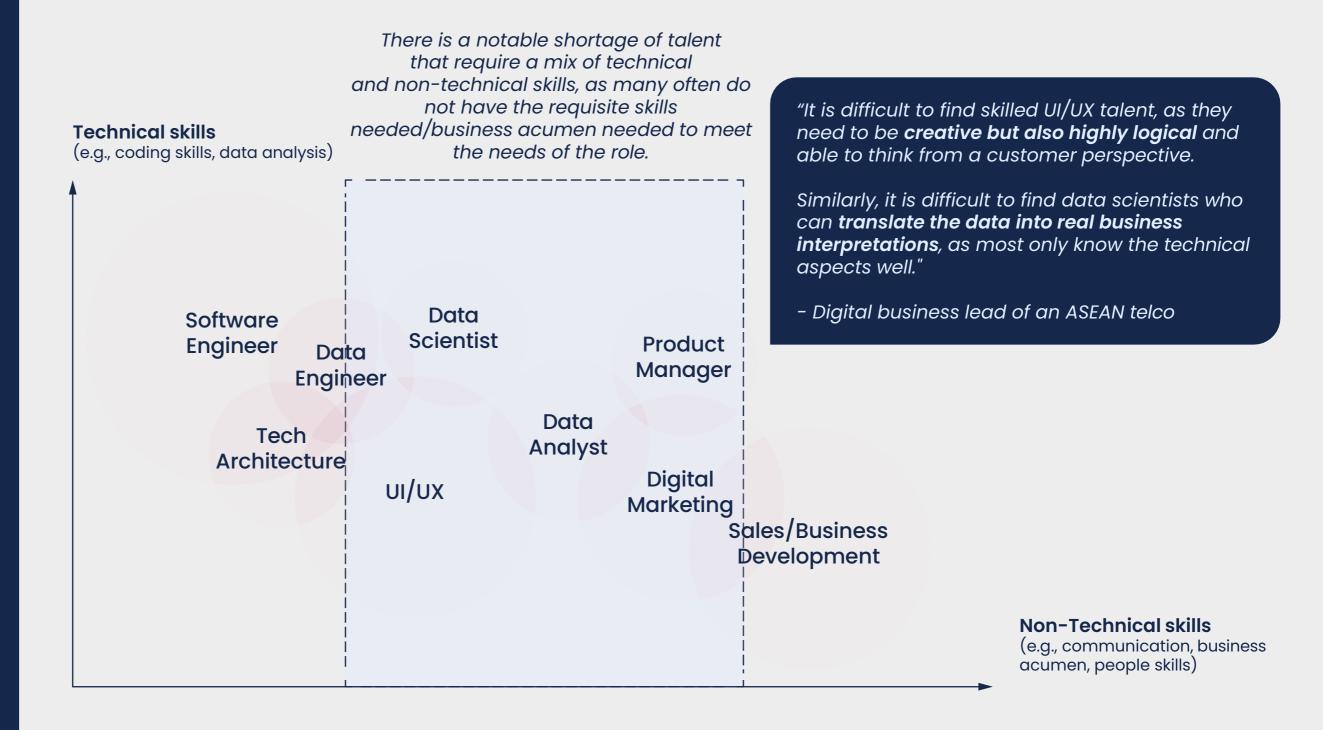
#### **High-quality** talent in roles requiring a balance of technical and non-technical skills are likely to be in shorter supply, as few are truly versed in "humancentric" applications of technology



Size of demand

Top employer challenge: **Skills & Experience Mismatch** 

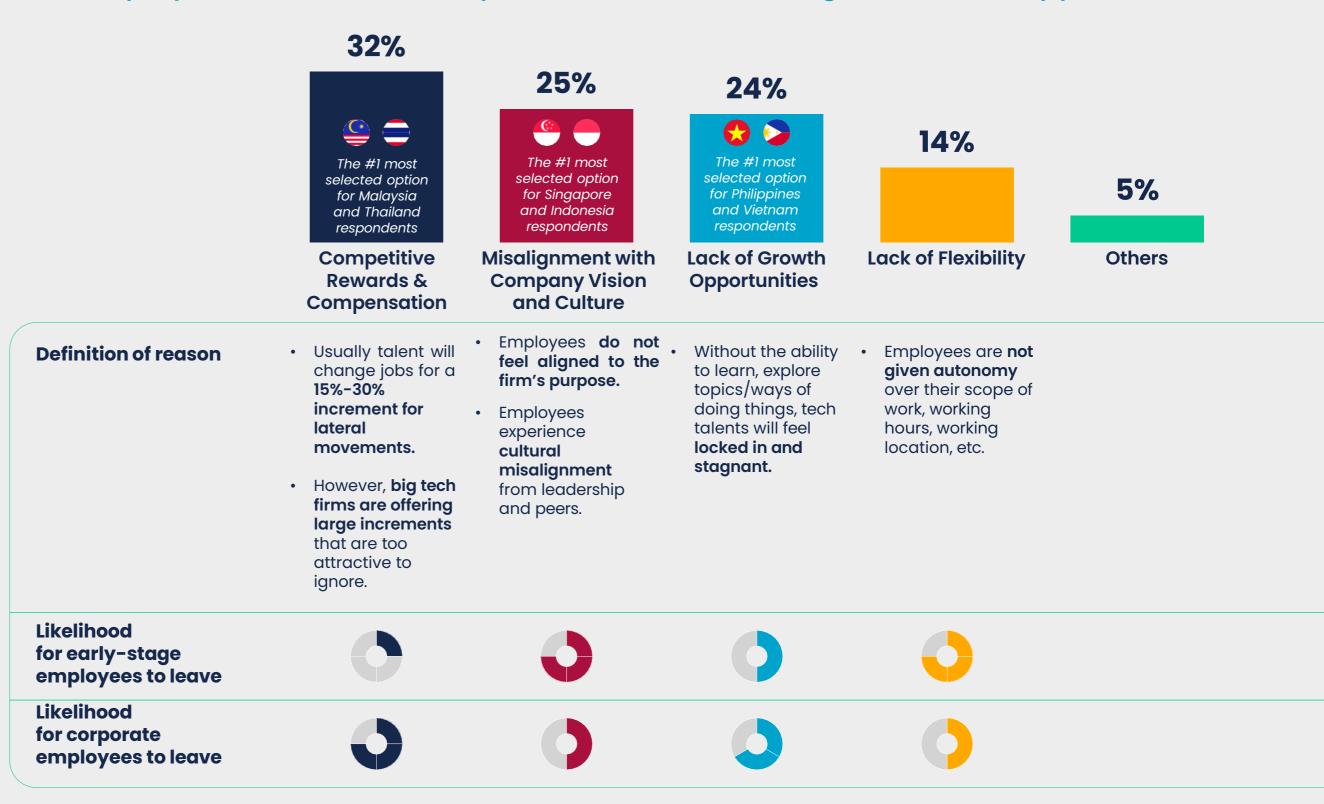
#### Spectrum of digital talent roles according to level of technical and non-technical skills required



From employee surveys, misalignment with company vision and culture is a greater reason for early-stage employees to leave, while compensation is a greater reason for late-stage firm employees

#### Top-Ranked Reasons for Employees to Leave Current Firm

% of employees that selected top reason for considering new career opportunities



## The demand for key roles differs across stages:

- Early stage (product validation stage)
- Later stage

   (revenue
   diversification
   and profitability)



Product Validation (Pre-seed/seed)

 Building product value proposition and market fit while growing early traction



Scaling Startup (Series A funding stage)

- Further developing product and services
- Creating scalable blueprint for growth
- Organization size increases rapidly



**Growth Startup** (Series B and series C funding)

- Have dedicated user base, steady streams of revenue focus shifts to dominance of market share
- Strategic professionals are necessary to drive expansive business and market opportunities



#### Unicorn to Decacorn Startup

(Series D and above, pre-IPO & post-IPO stage)

- Experiencing solid growth; often expanding globally and potentially acquiring underperforming competitors
- An IPO team would require experienced key professionals

#### **Key roles**

#### 1. Product & Technology

• Software engineer, product design, UX, UI

#### 2. Marketing

 Generalist marketer to build content, creatives to support product launch

#### 3. Business development & sales

 Versatile lead to acquire both partners and customer pipeline for early traction

#### 1. Product & Technology

 Separated product & engineering team, led by vice president to Clevel roles

#### 2. Commercial & Operations

 Depending on business models, the team is structured by area or value chain

#### 3. Corporate functions

- Consist of human capital, finance, and legal functions
- Mid-level corporate leaders are required to establish a firm foundation of these functions in the company

#### 1. Commercial, Marketing, Product, and Technology

#### — Strong C-Level Hires

 Roles include Chief Commercial Officer, Chief Marketing Officer, Chief Technology Officer, and Chief Product Officer

#### 2. Data analytics

 Robust data analytics leader needed to ensure datadriven business decisions and effective identification of business opportunities

#### 3. Strategic functions

 Growth and revenue management, corporate strategy and planning

#### 1. Chief Financial Officer and General Counsel

- Consists of Securities and Exchange Commission (SEC) experts, lawyers, accountants, and underwriters
- Aim is to develop good corporate governance

#### 2. Government Relations & Corporate Affairs

 Drive regulatory and public policy influence

#### 3. Country Heads

 Country Heads for different verticals/business units

Growth & Scale Talent Playbook • 28

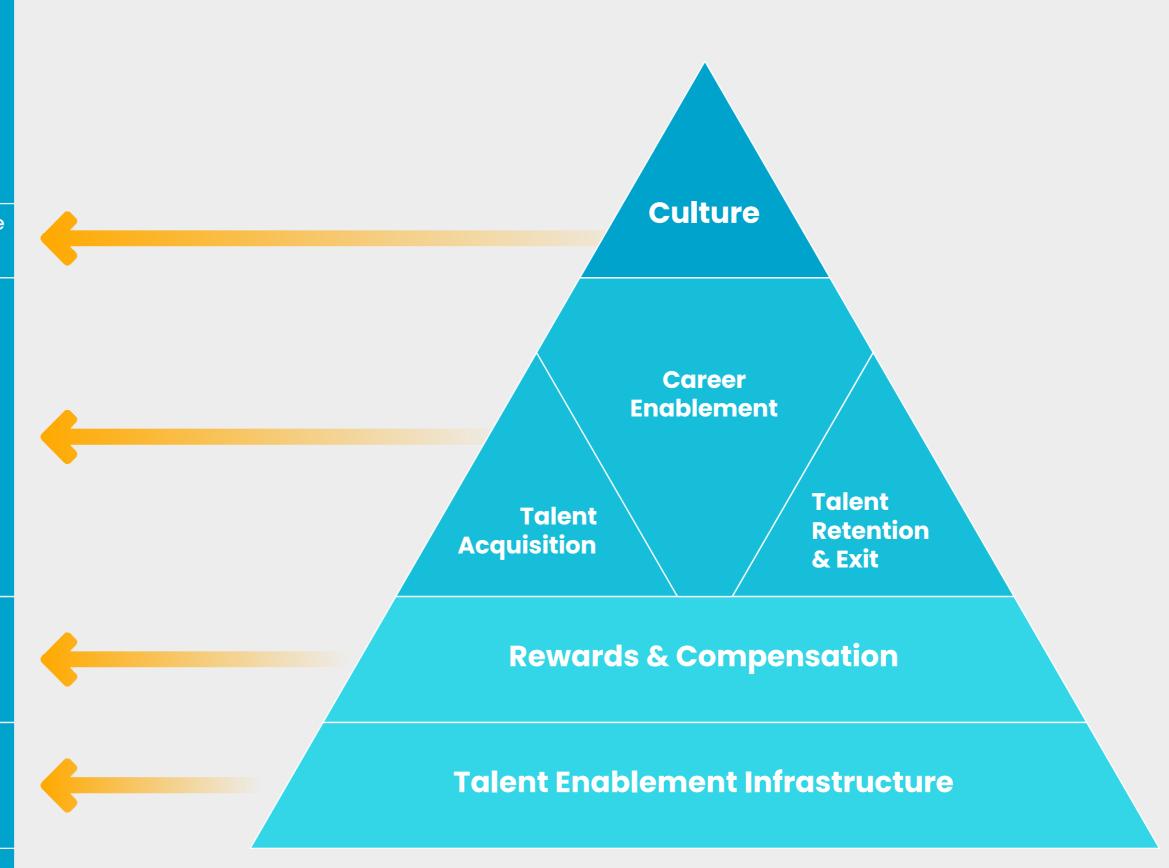
6 building blocks for companies to effectively build and manage digital talent



## 6 building blocks of proven best practices:

(Deep-dive in next pages)

- Culture: Leading by example from the top, amplified by the middle management
- Acquire: Ensuring the implementation of effective talent acquisition process
- Enable: Enabling employees to perform their roles effectively by nurturing, training, and investing in them
- Retain: Keeping highpotential talent and handling talent exits professionally
- Providing attractive compensation package that is complemented by other enablers
- Ensuring adequate and appropriate supporting infrastructure



#### 1. Culture

Leading by example from the top, amplified by the middle management



**Talent Enablement Infrastructure** 

**Apart from** tangible rewards, firm culture is highly valued by employees as the 3rd most important aspect in a job

#### **Most Important Firm Aspects**

% of employees who ranked each aspect most important

1.	Compensation	78%
2.	Employee Benefits	68%
3.	Culture	57%
4.	Learning and Development Opportunities	44%
5.	Career Progression Opportunities	42%
6.	Work Autonomy	10%
7.	Others	<1%

#### **Top Reasons Why Employees Leave Firm**

% of employees who ranked each aspect most important

1.	Compensation	32%
2.	Misalignment with Company Vision and Culture	25%
3.	Lack of Growth Opportunities	24%
4.	Lack of Flexibility	14%
5.	Others	5%

1. Culture



#### **Culture has** tangible impact on companies; there are 5 key elements crucial to having a positive company culture

#### **5 Key Elements** of Positive Firm Culture

(Deep-dive in next pages)



Open communication



Leadership sets 2. positive tone of the firm



Middle management **3.** as the bridge between leadership & teams



Flexible work arrangements



Active push for DEI agenda

#### 1. Culture



#### Culture Is an "Intangible" Part of Companies, But with Very **Tangible Impacts**



Improve financial performance

Increase productivity and firm margins through motivated staff



Improve customer satisfaction

Increased employee commitment results in increased dedication to customers



Improve employee engagement

Increase job satisfaction, motivation, and problemsolving and decrease turnovers

#### A positive firm culture is often largely built upon open communication



"Communication and accessibility is very important to us in making sure everyone in the team can reach out not only to the senior management at any time for guidance and support, but there is also a strong sense of mentorship culture where we help our team grow and develop. We want our 'management' style to be more mentorship led."

alterra

Leadership enabling employees to speak their mind

"We actively **encourage employees to offer ideas and speak their** mind. If they're interested to try other roles we are more than open to accommodate."



**Regular sharing** sessions and newsletters on learnings and achievements

Company-wide

"I think it is critical that big or small, we need to recognise and communicate the achievements and efforts of everyone. This not only allows us to celebrate but also learn from each other so that we can be better together."















"We have a high-debate culture-everyone is free to discuss ideas, questions, and thoughts but with respect for one another."



1. Culture



Leadership
has the key
responsibility
of setting a
company's culture,
which can be
approached
through a
reiterative
feedback system

2. Leadership sets positive tone of the firm











1. Culture



**Misalignment in company vision and culture** is the #2 reason for **employees** to leave their current firm.

Leadership can reduce the risk of misalignment through a reiterative feedback system with employees.

#### Formal Mechanisms

- Modify organization structure or reporting lines
- Change decision rights
- Adjust performance management metrics and incentives

Alignment (rational compliance)

Motivation (emotional commitment)

#### **Employees**

Leadership

#### **Informal Mechanisms**

- Define specific behaviors required to demonstrate desired culture
- Train leadership on skills to role model and lead the change
- Identify informal influencers to drive change
- Uncover and share stories of how the culture is lived by employees

"It starts with **leadership at the top to embody the values that trickle down**. As a startup, our culture will go from being founder led to people led as the company grows."



## Middle management is pivotal in creating respective team cultures and translating team feedback into actionable steps

3. Middle management as the bridge between leadership and teams











1. Culture



Middle managers are essential in executing firm values and communicating employee feedback to upper management.

· Communicate firm values, company goals, and expected deliverables from employees



 Translate employee feedback and behaviors into actionable suggestions for improvement

- Tailor behaviors and norms attributed with topline culture to suit target employee groups (e.g., tech teams and sales teams have different beliefs and goals)
- Build relationship with team members through regular 1:1 and employees activities





- Collate feedback and areas of improvement from employees
- Close observations on employee interactions and behaviors

The majority of employees across startup stages and countries still prefer flexible working arrangements; 5 best practices are recommended to handle flexible work appropriately

#### 4. Flexible work arrangements











By country

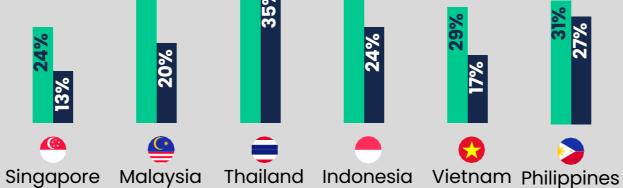
#### 1. Culture



#### Mismatch in Expectations vs Reality of Working 100% in the Office

% of Employees who currently work 100% from office vs prefer to work 100% from office





#### There is no one fixed approach for flexible working arrangements,

but generally best practices include the following:



**Establish clear expectations** on the mutually agreed upon work aspects such as responsiveness level during work hours vs. out of office hours to respect employees' boundaries.



Optimize work-from-office schedule for important discussions that are more effective to discuss in person, rather than making work from office mandatory.



Acknowledge that specific functions need to work from office more than others. Thus, companies can consider providing support such as transport allowance to alleviate the burden of travelling daily.



Have regular team and firm-wide activities to help employees stay engaged across different departments and aligned in terms of company culture and direction.



**Evaluate the work arrangement policy** regularly according to the latest government regulations.

# A positive firm culture should encourage diversity, promote equity, and embrace inclusion

# **5.** Active push for DEI agenda









#### 1. Culture



#### What does DEI stand for?

#### **Diversity**

 The presence of populations that have been/remain underrepresented among practitioners in the field

#### **Equity**

 Promoting justice, impartiality, and fairness within the processes and distribution of resources by institutions or systems

#### Inclusion

 Ensuring that diverse populations feel a sense of belonging and can participate fully in decision-making and development opportunities within an organization or group

#### **Best DEI practices**



#### Set goals

- Set and review DEI targets across firm ranks (e.g., gender, capabilities, academic background, race, age, sexuality)
- Make DEI a CEO-level agenda priority



#### **Enable**

- Update DEI policies, procedures, and progression regularly to be in line with best practices
- Provide minority mentorships and sponsorships
- Have DEI training programs in place
- Plan and sponsor events for key diversity moments

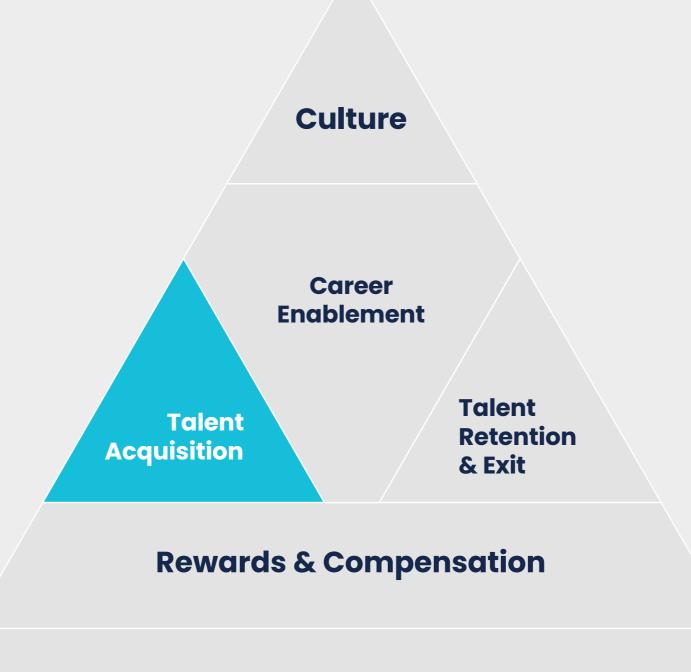


#### Communicate

- Regularly report DEI updates to show company's commitment to DEI targets, results, and initiatives
- Proactively have DEI conversations to dispel any doubts/uncertainties

# 2. Talent Acquisition

#### **Ensuring the implementation** of effective talent acquisition process



**Talent Enablement Infrastructure** 

An effective talent acquisition process can increase a company's chances of onboarding candidates with the right fit

(Deep-dive in next pages)

Increase the pool of potential candidates

Increase the hiring conversion rate

Improve hiring success rate

A



Identify candidates based on objective and key critical skills to succeed in the role C



Create a seamless hiring experience to keep candidate engaged

D



Set clear expectations with candidates

B



Widen candidate pool by enabling greater flexibility on hiring criteria

2. Talent Acquisition



Startups need to identify their unique strengths and convey an attractive EVP to incoming employees

A. Convey a targeted employee value proposition (EVP) based on unique firm strengths









2. Talent Acquisition



# Identify unique firm strengths to create a compelling EVP.



"What is the firm's mission and vision?" (e.g., how is the company making an impact? How is the company revolutionizing the way we live?)



"What kind of deliverables will the candidate be delivering?"

(e.g., why is the product or service relevant?)



"What kind of culture do we have?" (e.g., high growth, familial, innovative, flat structure)



"What kind of **benefits** can we offer that are attractive to the applicant's target demographic/role?" (e.g., flexible work for parents, direct

guidance under experienced founder)



"What kind of learning and development opportunities can we give to the applicant per their role/level?" (e.g., funded courses, 1:1 mentorships)



"What kind of company DNA are we looking for in candidates?" (e.g., customer-first, data-driven, continuous learning)

# Convey EVP consistently and coherently through all avenues of the talent acquisition process.

#### **Interview Process**

Embodying EVP through speech and mannerisms, while tailoring them accordingly to the candidate's needs

#### **Job Postings**

Articulating overall
EVP clearly, while
ensuring it is
customized for the
specific job role

Career Sites

A coherent story is maintained by:

Providing guidance on EVPs most suited to each candidate

## External Mechanism

Receiving specific awards for acknowledgement and external validation to draw talent

**Broaden talent** search based on competencies and expertise rather than focusing on traditional qualifications

**B.** Widen candidate pool by enabling greater flexibility on hiring criteria









2. Talent Acquisition



#### From minimum academic degree and grades...

#### **Traditional Hiring Method**

Only candidates with relevant/similar industry experience are considered

Past experience and tenure in specific functions/roles used as sole measurements of ability

Generic interview formats and tests applied to assess candidates' skills

Eligible candidates are within close proximity and are immediately available

Candidates evaluated solely based on competency and expertise on top of industry experience

#### ... to technical skills proficiency **Flexible Hiring Methods**

Be open to explore candidates from different yet relevant industry backgrounds

Look for **overall competencies** and significant accomplishments regardless of tenure as a measure of capability

Tailor interview assessments specific to each role, testing both tech and non-tech skills

Global candidates' location should not be a deal-breaker

Consider incoming candidates' suitability for other roles as well

"As an entrepreneur of F&B industry, I started our business with industry experienced talents. Along the growth of the business, I saw the importance of having diversified talents and started refining our hiring requirements. To date, I've seen that hiring talents from tech companies has helped us to move faster and be more innovative in our approach."

mangkokku

### **Ensure clear** communication and a smooth hiring process to maintain an overall positive candidate experience

#### C. Create a seamless hiring experience to keep candidate engaged









#### 2. Talent Acquisition



#### A positive hiring experience is crucial in preventing the loss of potential talent in both existing and future hiring efforts.

#### **Common Issues**



- Career page is not visually appealing
- Job posting is too wordy
- · Limited information about the company is available

#### **Painful application process**

- Difficult to navigate/not intuitive
- Application requires too much detailed information

#### **Best Practices**

- Optimize career sites to offer an intuitive application process
- Ensure company site addresses all EVP aspects
- Ensure job posting succinctly conveys EVP (e.g., culture, benefits) without compromising on tone

#### No visibility on application status

- Non-responsive internal team/candidate person-incharge
- · Ambiguity on hiring decisions

# •<u>•</u>

**@** 

Pre-

interview

Postinterview

#### Misalignment/mismatch between expectations and offer

• Difference in expectation between job listing and what was offered (regarding role, scope of work, compensation, etc.)

- · Constant communication and follow-ups with candidates post application with estimated timelines
- Establish KPIs and target deadlines for interviewers to submit reviews and upper management to select candidates
- Eliminate levels of approval to reduce lead time
- Survey candidates for feedback and use results to continuously improve the process and experience

To ensure new hires' key deliverables are achieved, they need to receive clear expectations from hiring managers to perform effectively

D. Set clear expectations with candidates











Hiring managers are accountable to inform the candidates the following details to ensure candidates are well aware of what is expected from the job.

#### Inform candidates on...



#### **Job Scope & Expected Deliverables**

Employee's responsibilities, as well as expected products and services that the employee will be working on



**Available Resources and Tools** Software, information, tools, etc. that are necessary to the employee's role and are useful in improving employee productivity



#### **Career development** opportunities

Ability for employees to freely explore other interests with the support from the firm

#### Ask candidates about...



#### **Job clarifications**

Ensure candidate clearly acknowledges his role's deliverables



#### Candidates' first 100 days plan

**Ensure candidate shares** support required (e.g., training, work buddy) to be able to ramp up on job role



#### Candidates' mid- to longterm aspirations

Understand candidate's timeline for career advancement and opportunities for personal development within the company, as well as aspirations in pursuing passion for the business

### 3. Career **Enablement**

**Enabling employees to perform** their roles effectively by nurturing, training, and investing in them



**Talent Enablement Infrastructure** 

**Apart from better** compensation and inspiring company vision, digital talent are attracted to opportunities that provide growth and enhancement of skills

#### **Most Important Firm Aspects**

% of employees who ranked each aspect as most important

1.	Compensation	78%
2.	Employee Benefits	68%
3.	Culture	57%
4.	Learning and Development Opportunities	44%
5.	Career Progression Opportunities	42%
<ul><li>5.</li><li>6.</li></ul>		42% 10%

#### **Top Reasons Why Employees Leave Firm**

% of employees who selected top reason for leaving firm

1.	Compensation	32%
2.	Misalignment with Company Vision and Culture	25%
3.	Lack of Growth Opportunities	24%
4.	Lack of Flexibility	14%

3. Career Enablement



**Businesses** need to invest in employees' careers to meet employees' needs for growth and progression

Employees are aware of their possible career progressions, and the skills and capabilities required to progress Career **Enablement** Jearni ng & Development Employees are given opportunities to enhance knowledge and capabilities

required in performing in their roles

**Opportunities for** employees to receive direction, assessment, and reciprocal feedback toward job performance from upper management

3. Career Enablement



Create clear career pathways guided with critical skills required and leadership-enabling programs

A clear career roadmap is essential for startup retention strategy, especially once they have scaled and a robust leadership is needed to sustain growth.



Create alignment on role development following organization's needs

 Identify role development based on timeline, scope, and ownership related to business objectives and requirements



Ensure adequate role specification for effective recruitment, performance management, and capability development

 Provide clarity on specific competencies, qualifications, and desired requirements to fulfill role objectives



Develop robust performance management practice

 Provide guideline and indicators as to what employees need to move from one level to the next









3. Career Enablement





**Career pathways** 



A well-planned role architecture can provide end-to-end view on employee career prospects

Illustrative Example

#### 1. Career pathways







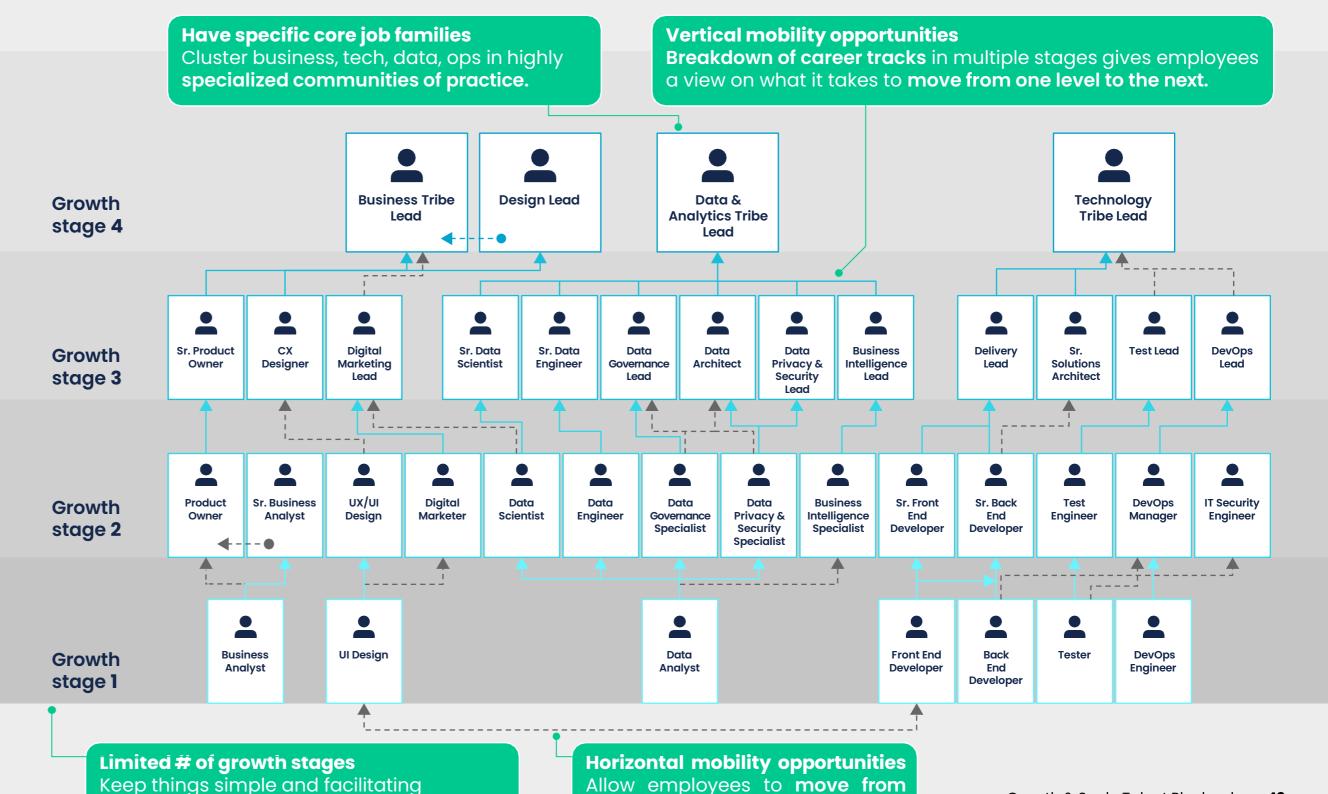
3. Career Enablement



By mapping out different functions within an organization, companies can understand what roles need to be designed and what successful profiles look like for each role.

promotion based on outcomes, not tenure.





one specialist track to another.

# Competency frameworks are informed by a set of standardized foundational and role-specific competencies required to progress to a certain role

Illustrative Example

#### 1. Career pathways



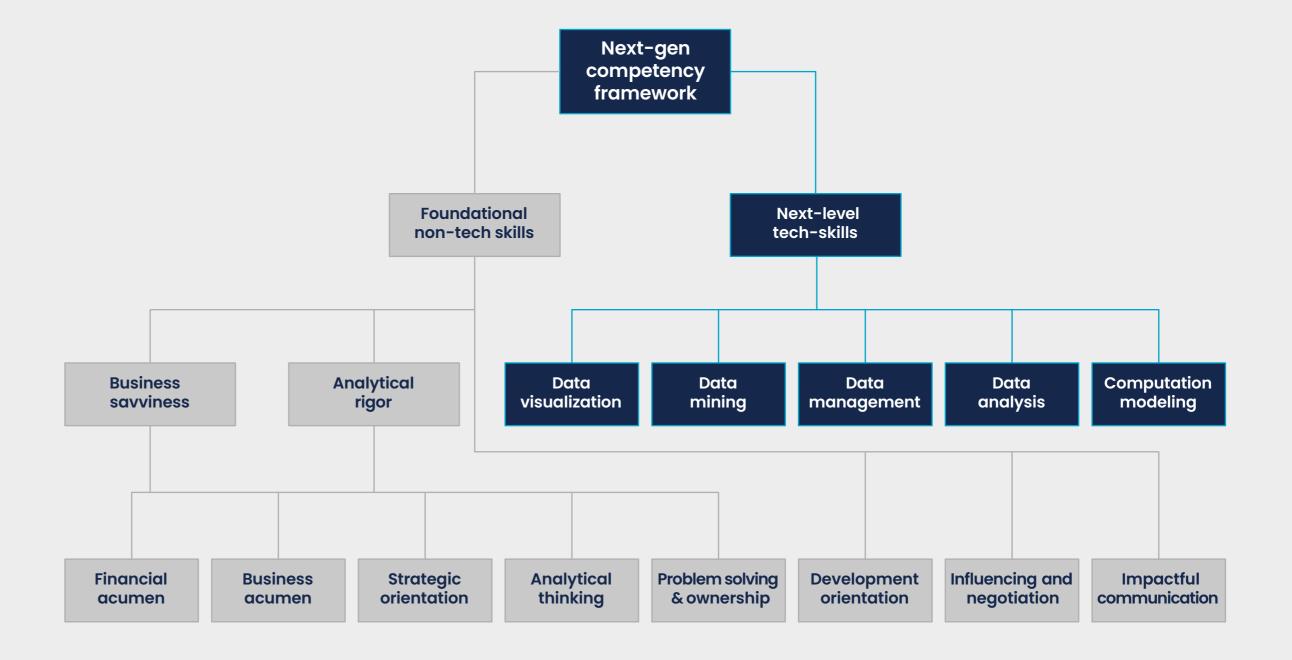




#### 3. Career Enablement



#### Sample Competency Framework of a Data Scientist



### **Improvements** on employee performance can be enabled through goal setting and reiterative feedback

#### 2. Performance management







#### 3. Career Enablement



#### **3-Pronged Goal Setting**



#### Strategy alignment

 Introduction of objective key results (OKRs) for business units and teams that are connected to company goals for all employees





#### **Personal** development

- · Frequent and dynamic goal setting to be embedded in squad set-up activities
- Competency-based personal development program to determine coaching and development interventions



#### **Shared** purpose

- Shared responsibility of team goals—if the team wins, the employee wins
- Outcome-driven culture underpinned by **strong** collaboration

#### **Evaluation & Recognition**



#### **Objective appraisal**

- Multiple data inputs (standardized KPIs) to be considered to facilitate fairness in individual ratings
- Calibration exercises to facilitate fairness across employee pool ratings



#### Regular feedback

- Individual feedback on the job that allows course correction as and when needed
- Repeated group forums to enable regular feedback and recognition

## Promote employee upskilling and growth through formal learning and development (L&D) programs

#### Make L&D a Priority



Formalize and allocate budget for all courses and track key learning metrics (e.g., training hours per FTE)



Link and ensure alignment of L&D goals with performance management

3. Learning & development







3. Career Enablement



#### **Deliver L&D Optimally**



#### Offer personalized programs tailored specific to individual roles

• Specialized training based on the areas that employees need to develop (e.g., on Udemy, Coursera, etc.)

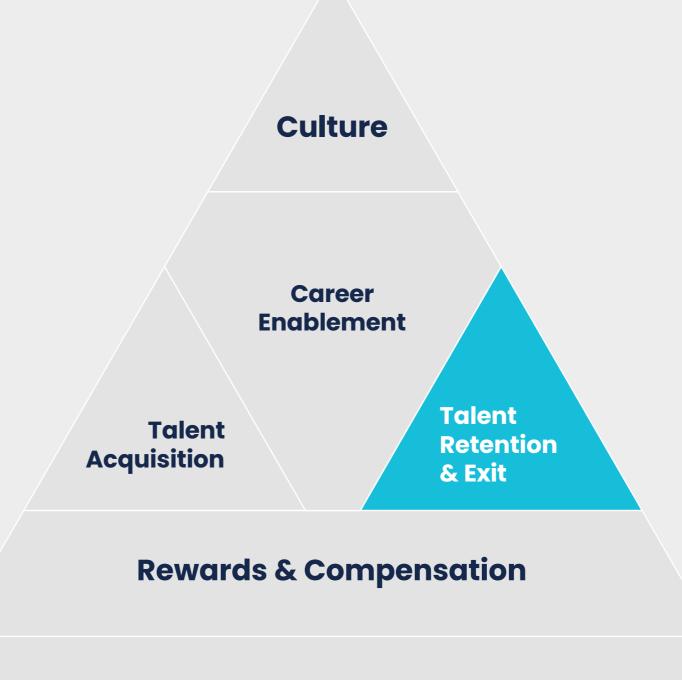


#### Deploy optimal approach for learning format

- Hard skills/tech skills: Led by internal leadership and mainly through e-learning
- Soft skills: Led by external experts with a mix of virtual and in-person training sessions

#### 4. Talent **Retention & Exit**

Keeping high potential talent and handling talent exits professionally



**Talent Enablement Infrastructure** 

# Retaining talents and handling talent exits requires a tailored approach according to the respective drivers

#### **Dimensions of Talent Exit**



# Talent resignation

 Employees leave the company voluntarily for various reasons

#### **Imperatives for Company**

#### **Understand drivers of talent resignations**

 Explore the push factors that drive talent out, from within, and pull factors that attract talent elsewhere

# Have a retention strategy for high-performing individuals

 Identify high-performing individuals and create a retention strategy around how the market attempts to poach such individuals



# Talent retrenchment

#### **Individuals:**

 Company persuades employees to leave for reasons such as lack in performance or misconduct

#### Large-scale:

 Company undergoes restructure or financial difficulties

#### 4. Talent Retention & Exit



# Clear communication, compliance, and compassion

 A clear, compassionate, and compliance-driven approach must be exhibited when managing communications with retrenched individuals to prevent bad PR

# Companies need to take a preventive approach to retain high-performing individuals and handle exits professionally when they eventually leave







4. Talent Retention & Exit





# Understand the drivers of talent resignation



# Prepare a retention strategy



Handle talent exit professionally and positively (if employee still decides to leave)

#### Push factors (internal drivers):

- Expectations mismatch
- Growing misalignment with team/ leaders (e.g., cultural differences, change in management)
- Identify high-performing individuals, especially those belonging to functions in high demand in the market, or in highly specialized roles

#### Pull factors (external drivers):

- Approached by competitors with better terms (e.g., compensation, mentorship opportunities, exciting/hype roles and industries)
- Meet high-performing individuals' needs
- Continuously benchmark to market to remain competitive (via compensation, benefits, successful culture stories, etc.)
- Have regular check-ins to ensure employees feel satisfied at work and to identify seeds of dissatisfaction early
- Ensure there are leadership members accountable for these individuals' performance and needs

- Conduct exit interviews to better understand employees' reasons for leaving, areas for improvement for the firm, and how competitors are faring better in attracting/retaining talent
- Maintain relationships with ex-employees through an 'alumni network'
- Establish alumni network community
- Organize events for alumni sharing and networking
- Actively engage network through company updates, sharing of insights/reports, and potential business opportunities

# The key to handling retrenchment successfully and professionally is through communication, clarity, and compliance with compassion

#### 2. Talent retrenchment





4. Talent Retention & Exit



#### Communication

- Plan a timeline on when affected employees across different levels should receive notice of the layoffs
  - To prevent premature speculation, panic, and leaks to social media
  - To ensure sufficient notice period to allow employees to search for alternative jobs
- A formal CEO townhall announcement should be conducted for mass layoffs
  - To provide a sincere, faceto-face apology to employees
  - To allow employees to clarify their concerns up front
- Prepare designated feedback and communication channels for employees to clarify layoffs
- Plan handovers indicating the scope and corresponding parties involved

#### Clarity

 Ensure that the layoff notices are supported with sufficient explanations to answer the following questions:

What is the business rationale behind the layoff?

Were mitigative measures taken before the layoff option was decided?

What form of support is available to those affected?

What is the company's plan moving forward for its remaining employees?

Is this layoff attributable to employee performance?

#### **Compliance with Compassion**

- Ensure layoffs are conducted responsibly, thoughtfully, and with empathy, as they affect the livelihoods and families of many
- Methods of offering support include:



Working with unions and network within industry to help staff search for new positions and provide upskilling services



Provide an adequate severance package



Assemble a task force comprising HR plus key leaders to respond to feedback and questions



Provide counselling to existing and laid off staff to reduce mental stress and bring awareness to support channels available Talent retrenchment needs to be handled properly, otherwise it may adversely affect the company's reputation



Shopee laid off ~3% of employees across
Singapore, Indonesia, and China.

It was said to be **managed** in an off-handed manner, asking staff to return home and await further notice.

The company sas since faced immense social media backlash regarding its actions.



The CEO of a mortgage lender startup fired 900 employees through a oneway video announcement.

Following this announcement, the Head of Marketing and VP of communications stepped down.



Microsoft **buried layoff news** regarding 12,500 employees in the 11th paragraph of a memo.

This resulted in numerous media outlets writing harsh articles criticizing the layoff handling.



In 2019, Tesla announced 7% layoffs to lower costs.

However, employees complained about a **lack of transparency** in the company's decision.

Many users on social media have fiercely condemned the company.

#### 2. Talent retrenchment





#### 4. Talent Retention & Exit



#### Toysaus

When Toys 'R' Us announced 31,000 layoffs in 2018, many employees condemned the company as they said that the news came as a **surprise** to them.

This was because their former employer closed more stores than what was earlier announced.

#### **TOPSHOP**

Asos's purchase of Topshop led to 2,500 Topshop employees finding out via media outlets that they had lost their jobs, **instead of hearing directly** via the company.

Numerous employees went to Twitter to express their anger, resulting in damage to Topshop's brand image.



Crypto.com's lack of transparency in laying off an estimated 1,000+ employees resulted in much disappointment.

Recent employee reviews of the company on Glassdoor refer to "massive layoffs out of the blue" and **criticize the firm as "very unstable."** 

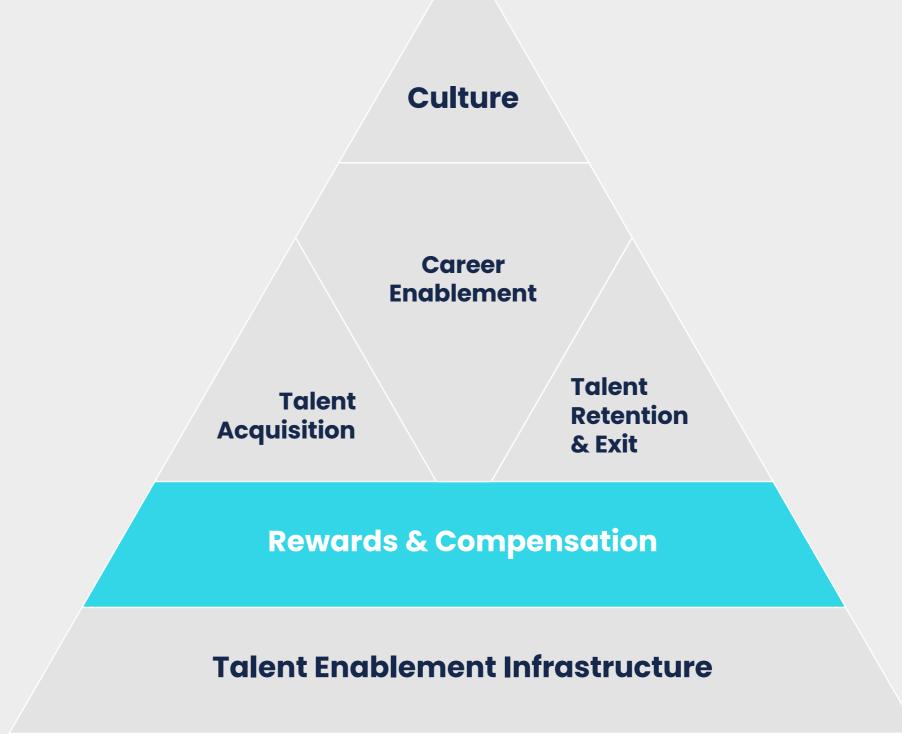
#### Klarna.

Staff affected by layoffs told media outlets they felt "blindsided" by the firm's announcement that it would be cutting more than 700 staff.

Employees also **criticized the decision to publicize** a list of fired staff online.

## 5. Rewards & Compensation

**Providing atractive** compensation package that is complemented by other enablers



3 building blocks for attractive rewards & compensation

comprises... 1. Appropriate compensation structure based on company stage and employee's competencies and performance ij 2. Suitable and appealing 3. Well-communicated employee benefits compensation to 'seal the deal' and benefits

**Attractive rewards and** 

compensation structure

5. Rewards& Compensation



## Various compensation structures can be leveraged depending on company stage

#### **Compensation Principles**

Good compensation principles should be competitive, merit-based, and encourage long-term loyalty



#### **Regular benchmarks**

Pay and benefits should be benchmarked regularly



#### **Leverage equity**

Use bonuses and equity as retention tools/ encourage employee to have 'skin in the game,' especially for earlier-stage startups

#### Pay for performance

Have variable pay incentives for high performance

#### Compensation Trend Based on Company Stage

#### **Company life stage**

#### **Early-stage compensation**

- High risk
- · Lower ability to pay out cash
- · More attractive to employees who seek long-term benefits

#### Late-stage compensation

- Low risk
- Higher ability to pay out cash
- More attractive to employees who seek immediate benefits

#### 1. Compensation structure







5. Rewards & Compensation



#### **Employee Seniority**



#### **Junior roles**

#### **Short term:**

Use fixed and variable salaries to motivate employees

#### Longer term:

Consider offering stock options in gradual amounts to employees who perform well



#### Mid to Senior roles

On top of cash-based compensation, companies can reward employees with long-term incentives such as equity stake/stock options with potential of higher valuations in the future

# Employee benefits was the 2nd highest ranked firm aspect—it should be leveraged to 'seal the deal'

#### **HR-Related Benefits**



#### **Medical benefit**

- Insurance/cashless coverage for employees (and even immediate family members)
- Reimburse base medical expense



#### **Personalized rewards**

 Personalized rewards for work anniversaries, birthdays, etc., that recognize each employee's individuality



#### Fringe benefits

- Company discounts and perks
- Reimbursements on selected wellness programs (e.g., gym membership)



# Flexible working arrangements and leave

- Flexible working hours that allow employees ownership of their time
- Flexible leave that can be transferred or extended

Firms can maintain competitiveness by providing more employee benefits

#### 2. Employee benefits







5. Rewards& Compensation



#### **Employee Development Benefits**



# Upskilling and development

- Invest in tailored learning and development programs
- Allow employees time off to pursue external courses and interests



#### Mentoring

 Provide employees with support and feedback in navigating their careers



# Extended project development opportunities

 Enable employees to take on extended roles and responsibilities to further personal growth and learn across different projects



# Flexibility in career options

 Allow employees to experience cross-functional secondments and role changes

# It is paramount to communicate the value of compensation packages as many employees may not understand the full value

Ideal for startups to visually show incoming employees the value and growth of the equity

#### 3. Clear communication







5. Rewards & Compensation



#### **Compensation Communication Tools**



#### Offer letter

An employment offer letter should consist of:

- Job Title
- Reporting Line
- Joining Date
- Offering Package
  - Base Salary
  - Allowances
  - Benefits
  - Long-term Incentives (Restricted Stock Unit/Employee Stock Ownership Plan)



#### Long-term Incentive plan documents

Documents that illustrate the future value of the share options, mechanism, and employee' eligibility (cliff period and vesting schedules)



#### Employee handbook/ onboarding kit

Platform allowing employees to clearly understand the value of their benefits, such as insurance plan coverage and stock options' existing and future growth

#### **Benefits of Clear Communication**



Clearer visibility and understanding of compensation package value



Increase employee motivation through visibility of efforts being translated into firm value



Greater transparency through ability to communicate compensation policies and changes instantaneously

# 6. Talent Enablement Infrastructure

Ensuring adequate and appropriate supporting infrastructure



**Talent Enablement Infrastructure** 

# have strong tools that support all aspects of talent management and allow feedback and visibility





#### **Culture**

• Employees can express their individual views about the company via in-depth surveys, and tools will be used to analyze this information, enabling continuous improvement



**Examples** 



#### Diversity

Application data including race, gender, academic background, etc., to be kept anonymously to avoid bias when screening for candidates. Candidates should be purely assessed on their skills and abilities.





#### Talent **Acquisition**

Application tracking and CRM system to source and build relationships with candidates and provide automated emails, enabling a great candidate experience • Standardized application process when filling out forms, uploading documents, etc.



**\*bamboo**hr®



Career Management + Learning & **Development** 

 Learning management system that allows customizable learning pathways while managing thousands of courses on one centralized platform



**3** degreed





#### **Performance** Management

 Automated system with standardized KPIs to review and track progress of employees







Talent Retention / **Exit Handling**   Platform to gather employee feedback through surveys and using the data to enhance overall employee satisfaction and address identified issues



· Alumni management software with email marketing, event registration, and more





Rewards & Compensation  Compensation management software in which employees' performance data is stored in a centralized hub and performance reviews and ratios are used to make fair compensation decisions





Overall **Talent** Enablement People management and analytics platform with best-practice HR tools enabling automation of core HR processes, centralized performance management, constant employee engagement, and built-in people analytics





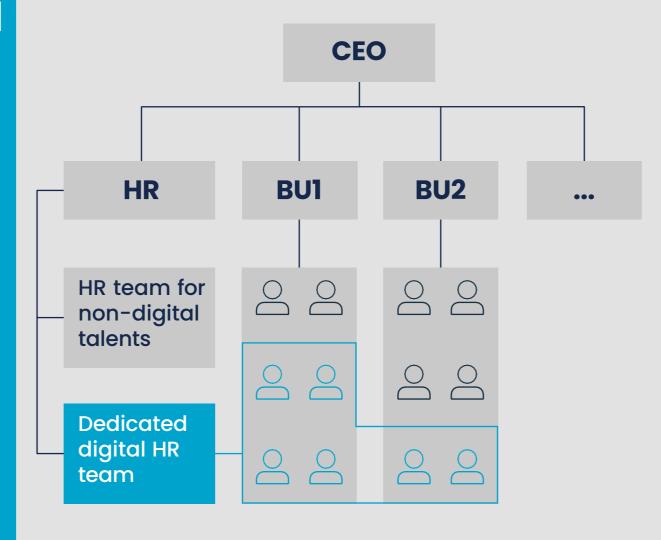


6. Talent Enablement Infrastructure



# Given the unique needs of digital talent, a dedicated HR team for digital talent management is recommended for larger-scale firms

#### **Organization Structure**



O Non-digital talent

0

Digital talent

# 6. Talent Enablement Infrastructure



#### **Benefits**



#### Flexibility & autonomy

Teams can redesign policies to better improve digital hiring



#### **Better targeting**

Relevant channels for recruitment of digital talent can be better utilized to attract the best candidates, enabling stronger ability to compete with other tech companies eyeing same talent pool



#### **Tailored interview process**

Specific and relevant interview processes can be designed to match the skillsets required from digital talent, freeing the team from usual bureaucratic hiring and management style of corporates



# Stronger performance management

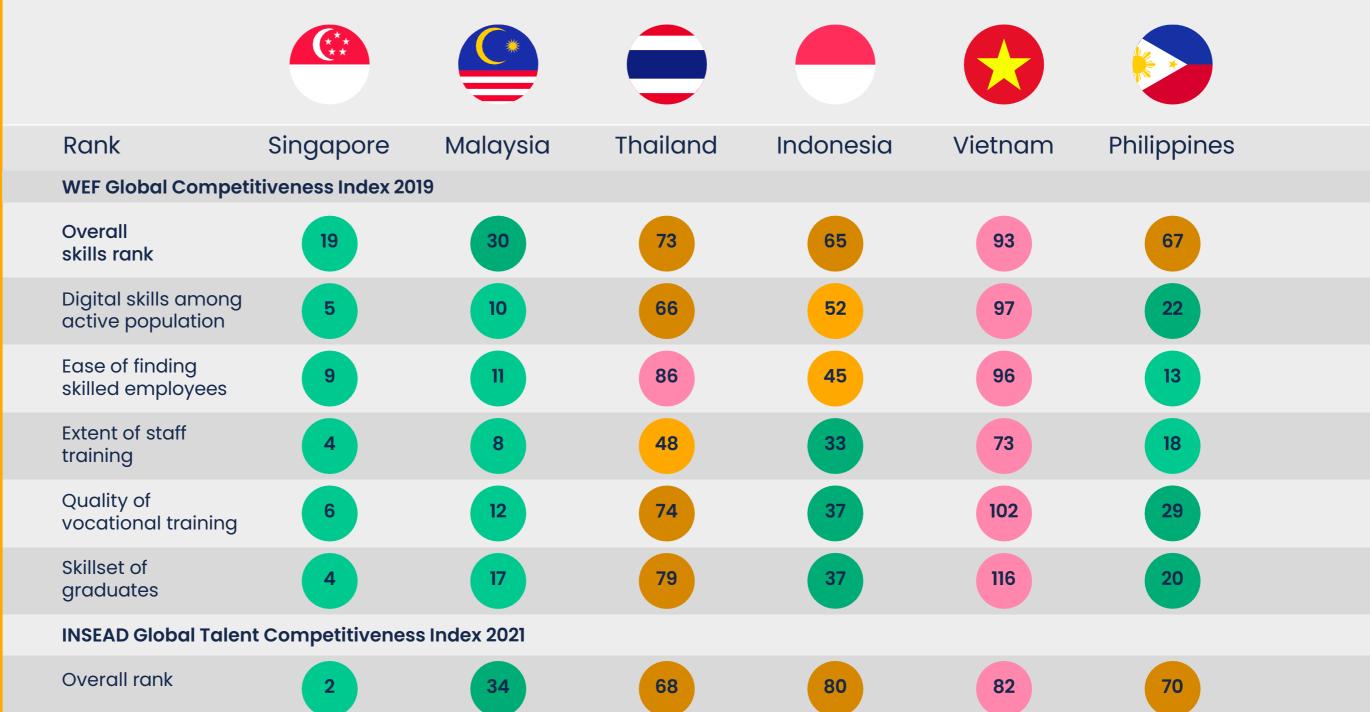
Learning and development for digital talent can be tailored specifically to improve performance and enhance skillsets needed Potential systemic interventions

by ASEAN governments to mitigate digital talent crunch



ASEAN countries are widely spread across overall global skills ranking and availability of skilled talent index

While Singapore places in the top quartile and performs relatively well on most metrics, there are also countries like Vietnam that fare poorer and place in the bottom half in terms of talent quality.



Systemic intervention across 4 stakeholder groups will aid the private sector in mitigating talent crunch

Enhancing/leveraging current workforce

Building new workforce long-term (5-10 years) Building new workforce short-term (adjust flexibly to meet immediate needs)

1. Retained Workforce



2. Upskilled Workforce





4. Foreign Talent

(Deep-dive in next pages)

- **1A.** Government policies and guidance in collaboration with private sector to retain workforce
- **2A.** Government laws to guarantee more investments are made for training employees
- **2B.** Case study: Singapore SkillsFuture Program for Upskilling
- **2C.** Case study: Singapore Digital Skill and Career Roadmap

- **3A.** Lack of sufficient tech graduates and readily employable talent in existing workforce
- **3B.** Key initiatives and activities to ensure sufficient ICT talent and skills
- **3C.** Tech skills incorporated into curriculums from an early age into adulthood

- **4A.** Visas, immigration policies, and incentives to attract foreign tech talent
- **4B.** Examples of tech-specific visas and their basic requirements

**Role of government** 

Role of employers (Section 3)

#### Addressing Supply Shortage for Skilled Labor in ASEAN

Governments
have to provide
guidance and
policies in
ensuring ICT
industries remain
attractive
to talents

Through policies, governments can work together with the private sector to ensure the ICT sector's attractiveness.

1A. Government policies and guidance in collaboration with private sector to retain workforce

#### **Key Initiatives Country Example Policies** 4-day work week Belgium to introduce a four-day work week for employees who want it. Employees will be able to decide whether to work four or five days a week, but this does not mean they will be working less-they will simply condense their working hours into fewer days. Remote working policy Malta's Government is providing public service employers and employees with remote working guidelines to ensure adaptability with current working environment. **Diversity** US White House is issuing Executive Order on Diversity, Equity, Inclusion, and Accessibility in the Federal Workforce to be a model for US corporations. The weekly working hours in Malaysia will be reduced from 48 to 45 **Reduced work hours** hours effective September 1, 2022, as announced by Human Resources Deputy Minister Datuk Awang Hashim. Workspaces/hubs for tech **Actions** Italy's government is creating a program that supports the development of coworking spaces around Milan in order to help talents tech talents work more flexibly and reduce commuting time. Offer great connectivity Estonia's Government built a free Wi-Fi network that covers most of the populated areas, enabling its residents, especially tech talents, infrastructure to work flexibly from anywhere. Set up dedicated tech hubs Countries with proven capabilities in various cutting-edge technology trends—such as fintech, healthtech, and medtech—would be able to easily attract and retain talents in the tech industry. The US, with San Francisco as its main tech hub, leads the talent rankings created by Global Talent Competitiveness Index (GTCI). Top tech hubs globally also include Shanghai and Tokyo.

Source: Secondary sources

Governments
should help
companies remain
competitive
by providing
guidance and
policies to ensure
trainings are
in place

# 2A. Government must enact laws to guarantee more investments are made for training employees

# % of ASEAN Firms Offering Formal Training in Comparison to OECD Firms

ASEAN

OECD Countries



formal trainings

## Governments to ensure more companies invest in trainings

ASEAN governments should **create policies that ensure companies have formal digital trainings** for employees, targeting an increase of **12.5 percentage points** in the next **5 years**.

# Number of Training Hours (Per Employee) in ASEAN Firms vs. US Firms



Annual hours of training per employee in large companies

#### Governments to ensure companies invest more in employee training

ASEAN governments should have policies in place that ensure employees undergo adequate hours of digital training by employers, similarly to how accountants have a minimum number of training hours annually to maintain certification.

Singapore has a SkillsFuture program that provides funding to encourage lifelong learning and upskilling



2B. Case study: Singapore SkillsFuture Program

#### **SkillsFuture Singapore**

To encourage Singaporeans to **undergo lifelong learning and upskilling**, every Singaporean is given \$500 credit each to enroll in courses.



#### TechSkills Accelerator

- Aims to enhance training and placement opportunities for ICT jobs
- Facilitates the reskilling and upskilling of technology skills required to meet industry needs
- In partnership with industry partners and hiring employees
- Also available for employers to conduct this training program





#### **SkillsFuture Series**

- Consists of short industry-relevant training programs for emerging skills
- Relevant key themes include data analytics, digital media, tech-enabled services, and more
- Modules include AI, IoT, Blockchain, Digital Marketing, and more
- Programs across three proficiency levels—basic, intermediate, and advanced

# Singapore has clear digital skill and career roadmaps that provide job descriptions and corresponding ICT skills required



2C. Case study:
Singapore Digital Skill
and Career Roadmap
for Upskilling

#### **Digital Skill Matrix**

#### **Data & Artificial Intelligence**

- Business Intelligence
- Data Engineering
- Machine Learning Engineering
- Data Science/Al Science
- AI/Applied Research

#### Infrastructure

- Plan and Design
- Build and Maintain

#### **Software and Application**

- Software Engineering
- Embedded System Engineering
- User Interface Engineering

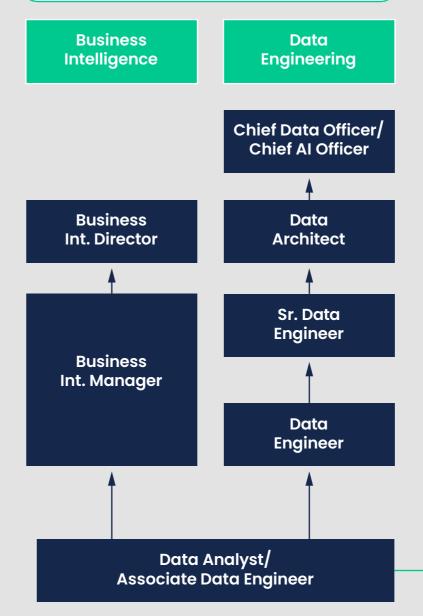
#### **Strategy & Governance**

- Enterprise Architecture
- Program and Project Management
- Product Strategy
- Quality Management
- Data Protection
- IT Audit

Singapore "Skills Framework for ICT" covers seven tracks which include advanced ICT competencies (e.g., Data & Artificial Intelligence).

#### **Career Pathways**

#### **Data & Artificial Intelligence**



Singapore "Skills Framework for ICT" covers seven tracks which include advanced ICT competencies (e.g., Data & Artificial Intelligence).

# Job Description and Skills Required

#### Data Analyst / Associate Data Engineer

#### **Job Description**

- Blends historical data from available industry reports, public information, field reports, etc.
- Basic data cleaning and transformation
- Performs analysis to support decisions

#### Skills Requirement



Business Innovation

Data Analytics

Data Engineering

Data Engineering - Level 2

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techniques to co	ollect, store,	extract, tran	sform
and load data ac	cording to se	et guidelines	

a Visualization 3

Database Administration

Data Ethics

For each job position, it shows the job description and various specific

technical skills expected to be performed on the position.

The talent crunch is furthered by a lack of employability in graduates and insufficient number of graduates to meet market demand

# Lack of Employability in Tech Graduates

Having prerequisite education and technical training serves as a good foundation to the start of every career.

However, key differentiators and success indicators come from candidates with robust hands-on work experience, and soft skills such as communication, ability to influence, teamwork, and ability to drive projects and see them to fruition.

As having a qualification is abundant these days, companies seek candidates who can display the ability to be proficient in both software and heartware.

ALPHA JWC VENTURES

3A. Lack of sufficient tech graduates and readily employable talent in existing workforce

# Lack of Sufficient Number of Tech Graduates to Meet the Demand of the Digital Market

The ICT sector currently employs about 200,000 people and requires another 60,000 in the next three years.

However, the education system is only producing 2,400 ICT graduates annually, which is 8,400 over 3 years, leaving a 51,600 shortfall.

- Vulcan Post



More than 87% of organizations do not have sufficient talent to meet the needs of the digital economy, with 48% of SMEs citing the lack of problem solving and critical thinking skills among job seekers.

AlphaBeta



The Ministry of Communication and Information has estimated that Indonesia needs nine million digital talents in 15 years or an average of 600,000 digital talents per year. However, only 19% of Indonesia's workforce has the necessary digital skills.

- SAP



As the largest producer of local talent, universities have to generate enough talent and ensure they are equipped with the necessary skills to perform in the existing job market

# **Ensuring Local** Universities Generate **Enough ICT Talent Ensuring Local** Universities **Equip Talents** with Sufficient **ICT Skills**

#### **Key Initiatives** Increase Investment in post-secondary education institutions

Increase investment

in post-secondary

teaching staff

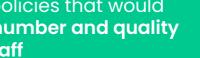
### **Key Actions**

Increase the number of institutions, ICT majors, ICT classes, and class capacity to address the growing needs of the digital sector

#### **Country Example**



Universities across India are adding more seats in ICT courses.



Put together policies that would increase the number and quality of teaching staff



South Africa coding programs for teachers to learn how to code as well as **how to teach coding** with the target of 1,000 schools in 20202



Reduce the cost of ICT majors and **provide scholarships** for ICT courses



TDRA's ICT Fund has launched a program to support UAE academically distinguished cadres to drive education in ICT-related disciplines.



Ensure that more **women and students** from tier 2/3 cities have access to ICT educations

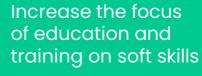


European Member States and Norway encourages women to be involved in digital and tech sectors, and explore STEM studies at an early age.

Interdisciplinary approaches to skill development Ensure basic coding and data courses **are required** for all majors



The University of Miami has made it a requirement for all business school students to take computational thinking as a core module.



Reduce skill gaps by equipping students with soft skills such as critical. analytical, creative thinking, and problem-solving skills



The ESFP supports EU Member States in **reforming national education** and training systems, supporting key skills, including digital ones.



Mandatory work-based learning policy such as internships and company attachments



Germany has a mandatory internship policy in place for students studying in German Universities.

**3B. Key initiatives** and activities to ensure sufficient ICT talent and skills

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# Countries around the world are implementing coding in their education curriculum

3C. Tech skills incorporated into curriculums from an early age into adulthood









In 2017, Italy introduced digital education at the elementary level with aims to have basic computing knowledge in 40% of primary schools.



The Australian government has allocated \$64 million to **fund early learning and school STEM initiatives** under the Inspiring All Australians in Digital Literacy and STEM measure from **preschool onward**.



As part of the National Education Policy 2020, class 6 students in India are required to take coding. The Indian government recognizes the importance of learning programming basics from an early age.



Singapore's ministry of education decided to make **coding compulsory** for students starting in 2020, in the form of a **10-hour coding enrichment program.** 



England became the first country in the European Union to mandate computer science classes for all children between the ages of 5 and 16. Topics range from algorithms and code debugging to programming languages such as Java.

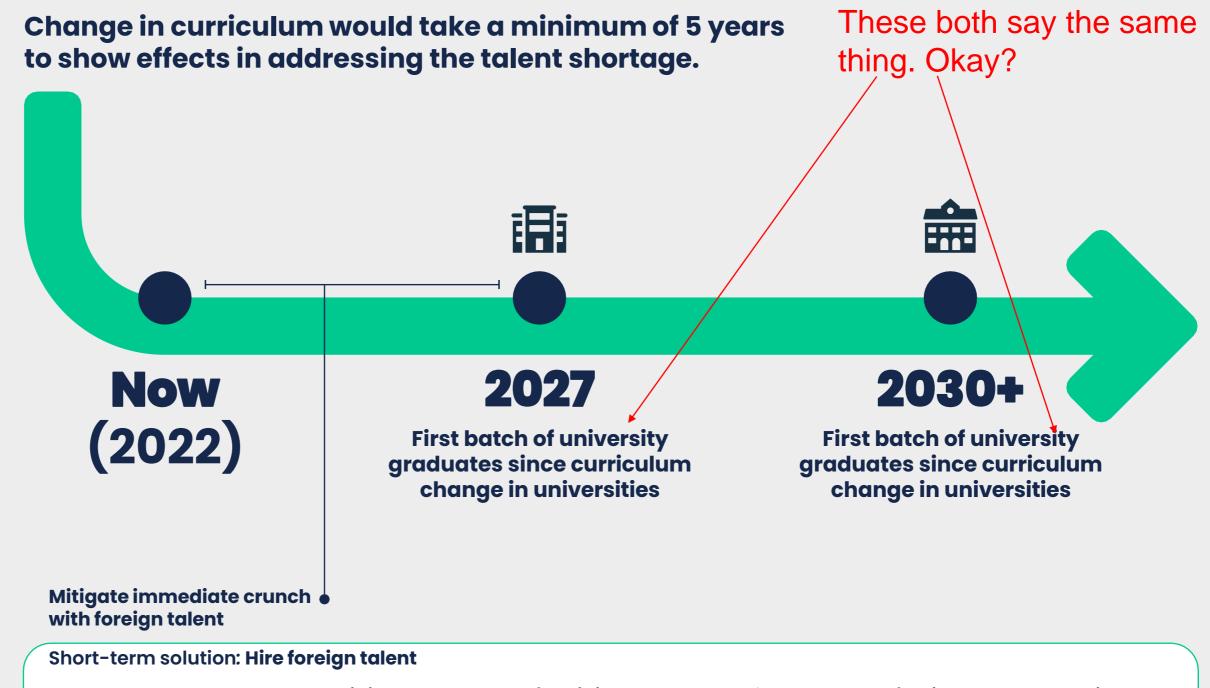


Universities in India offer 'Value'
Added Courses' across various
engineering degrees. These courses
include Java, Oracle, Mobile App
Dev, IoT, and more.



Institute of Coding develops and delivers innovative, industry-focused higher education across the UK. This includes the aim to influence computer science teaching in universities nationally, the application of data analytics and blockchain, and more.

Despite changes in the education curriculum, a short-term solution is required to address immediate talent needs



- In order to meet the current digital sector's need for digital talent, countries can turn to foreign talent to alleviate the shortage.
- ICT skilled workers from other countries can be easily attracted through the introduction of tech visas, favorable immigration policies, and incentives.

# Governments should introduce measures that welcome foreign tech talent

Countries are seeking workers outside of their domestic talent pool for several reasons; preventing supply chain disruption, boosting tourism, and accelerating economic recovery following the COVID-19 pandemic. With countries around the world seeing a mass exodus of employees in the Great Resignation, it is clear that many people are turning away from traditional employment models. Working overseas could be the challenge many are looking for.

# Introducing New Work Visas for Executives

introduce new types of work visas that make it easier for people to work and live there.

## Germany Work Visa for IT

**Experts** 

tech roles.

- Portugal Tech Visa
- Singapore Tech Pass
- UK "High Potential Individual" route and Global Talent Visa

**Introducing Work Visas** 

for Tech Talent and

**Fresh Graduates** 

Government should

introduce tech-focused

talent gap specifically in

work visas to fill in the

# Shifting Immigration Policies

Covernment should change their immigration policies to reflect the need for more skilled staff in their workforce.

# Incentivizing for Shortage Occupations

Government could provide incentives to quickly attract talent in roles facing shortages.

- Bahrain's Golden Residency Visa
- Canada Global Talent Stream
- Singapore ONE Pass

- Germany is considering a points-based immigration system.
- China and Japan are considering loosening their immigration laws (add clarity in this point)
- UK Skilled Worker Visa
- Australia's free flights and accommodations for hospitality workers (2021)
- US sign-on bonuses
- Shanghai Fast Pass

4A. Visas, immigration policies, and incentives to attract foreign tech talent

Source: Secondary sources

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Countries around
the world are
starting to
introduce new types
of visas to attract
digital talent

#### Requirements



Portugal Tech Visa

Tech Visa is an accreditation program focused on providing Portuguese companies with a fast-track program to hire and retain highly qualified non-Schengen professionals.

Proficiency in Portuguese,

**Bachelor's or equivalent** 

level—level 6, with 5 years

experience in specialized

technical functions

**English, French, or Spanish** 



German IT Work Visa

People who have practical work experience within ICT can apply for a special residence permit.



UK Global Talent Visa

This program allows candidates to work in the UK if they are a **leader or** potential leader in academia or research, arts and culture, or digital technology.



**US STEM OPT** 

Students who receive science, technology, engineering, and mathematics (STEM) degrees may apply for a 24-month extension of their post-completion optional practical training (OPT).

- $N/I$	IIAI	mu	CH	KV/
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#### Language Requirements

#### Employment / **Education History**

#### Skills

4B. Examples of tech-specific visas and their basic requirements Remunerated with a gross annual salary of at least €50,760

#### German language skills are at a minimum level of B1

At least three years of experience in IT over the past seven years

#### Proof of the relevant theoretical knowledge required for the job

Employee has a job offer in the IT sector in Germany

#### Fluent in **English**

#### Fluent in **English**

Have earned a bachelor's. master's, or doctoral degree from a school that is accredited by the US Department of Education

#### **Others**

**up to 50%** (80% for companies based in remote or peripheral areas) of their total workforce numbers for this Visa

Source: Country official sources

Companies limited to recruit

Employee has a job offer as a senior academic or researcher in the UK. received an individual fellowship in the UK, or is part of a research grant that is approved by UK Research and Innovation

Leader in one of three

research, arts and culture,

areas: academia or

or digital technology

Employer has to meet all requirements under **STEM OPT Employer Responsibilities** section

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