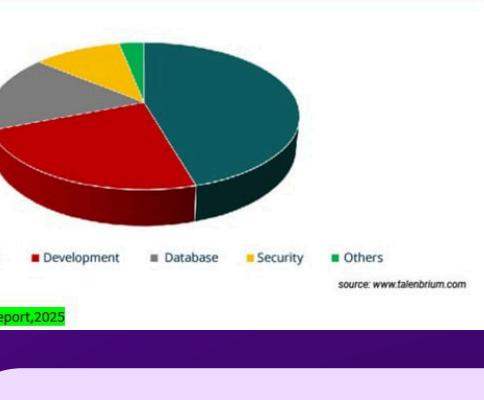


NAVIGATING THE ICT JOB MARKET

**TRENDS, OPPORTUNITIES &
SUCCESS**



INFORMATION TECHNOLOGY (IT) TRAINING MARKET 2024-2028:

The Information Technology (IT) Training Market size is estimated to grow at a CAGR of 7.03% between 2023 and 2028. The market size is forecast to increase by USD 12.93 billion.

GLOBAL TRENDS



- **AI & MACHINE LEARNING**

Automation tasks, creating smarter systems

- **CLOUD COMPUTING**

Building scalable systems on AWS, Azure

- **IOT**

Smart devices & Connected systems

- **BLOCKCHAIN**

Decentralized apps & digital transactions

- **QUANTUM COMPUTING**

Solving complex problems with advanced computing

MALAYSIA TRENDS



- **DATA ANALYTICS**

Turning data into business insights

- **AI**

Integrating automation & Smart services

- **CYBERSECURITY**

Safeguarding against local cyber threats

GLOBAL VS MALAYSIA

OPPORTUNITIES

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

AI Engineer, Data
Scientist

AI Engineer, Research
Scientist

CLOUD COMPUTING

Cloud Engineer,
DevOps Engineer

Cloud Engineer, Cloud
Solutions Specialist

CYBERSECURITY

Cybersecurity Analyst,
Security Engineer

Cybersecurity Analyst,
Security Consultant

DATA ANALYTICS & BUSINESS INTELLIGENCE

Data Analyst,
BI Analyst

Data Analyst, BI
Consultant

SOFTWARE DEVELOPMENT & ENGINEERING

Full-Stack Developer,
Mobile App Developer

Software Engineer,
Mobile App Developer

BLOCKCHAIN & FINTECH

Blockchain Developer,
Fintech Engineer

Blockchain Developer,
Fintech Architect

TECHNICAL SKILLS



1. PROGRAMMING & SOFTWARE DEVELOPMENT

Languages: Python, Java, JavaScript, C++, PHP

Web Development: HTML, CSS, React, Node.js

Mobile app development: Swift, Kotlin



2. NETWORKING & SYSTEM ADMINISTRATION

Networking: TCP/IP, DNS, DHCP

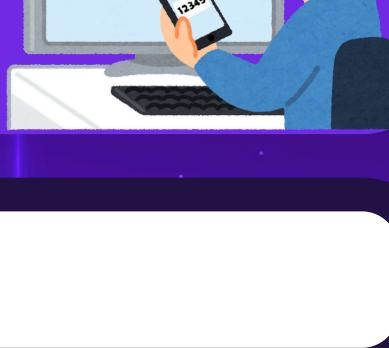
Tools: Cisco, Juniper, Wireshark

Operating Systems: Linux, Windows Server

3. CYBERSECURITY

Penetration testing
Firewalls, IDS/IPS

Knowledge of frameworks: NIST, ISO/IEC 27001



4. CLOUD COMPUTING

Platform: AWS, Microsoft Azure, Google Cloud

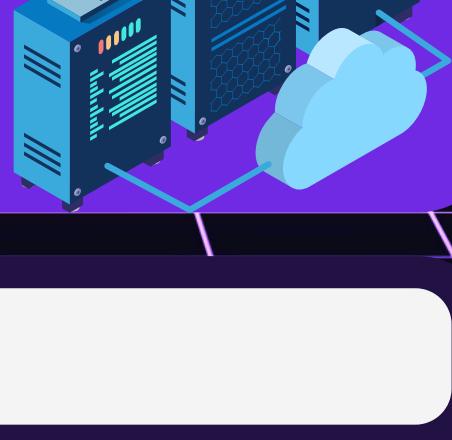
DevOps Tools: Docker, Kubernetes, Jenkins

5. DATABASE MANAGEMENT

SQL (MySQL, PostgreSQL)

NoSQL (MongoDB)

Data Warehouse



6. AI & DATA SCIENCE

Machine learning, deep learning

Tools: TensorFlow, scikit-learn, Pandas

Data Visualization: Power BI, Tableau

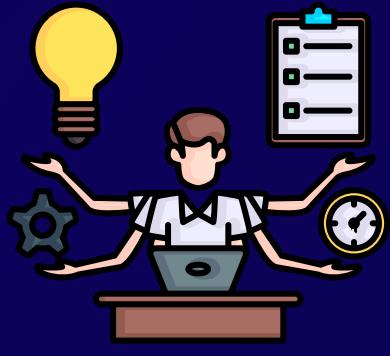
7. IT SUPPORT & HELPDESK

Troubleshooting hardware/software issues

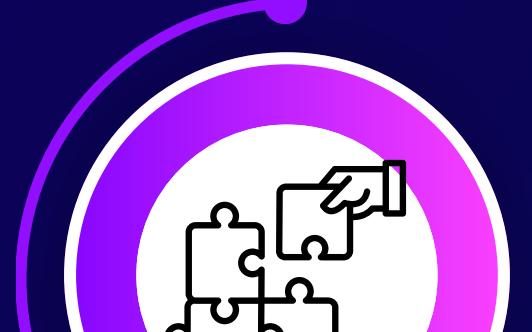
Ticketing systems (e.g., Zendesk, ServiceNow)

Customer service skills





SOFT SKILLS



PROBLEM SOLVING



COMMUNICATION



ADAPTABILITY



TEAMWORK



PROJECT MANAGEMENT



TIME MANAGEMENT



TIPS TO BREAK INTO THE

ICT INDUSTRY

Build a Strong Foundation

Master core tech skills (Coding, Cloud, Cybersecurity basics)

Certifications Matter

Get certified (e.g., AWS, compTIA, Microsoft, Google)

Create a Portfolio

Showcase projects, coding samples, or tech solutions



Internships & Freelance

Get real-world experience while studying



Stay Updated

Follow tech news, trends and new tools