



NAVIGATING THE ICT JOB MARKET

TRENDS, OPPORTUNITIES & SUCCESS

GLOBAL TRENDS

- AI & Machine Learning
Automating tasks, creating smarter systems
- Cloud Computing
Building scalable systems on AWS, Azure

- IoT
Smart devices & connected systems
- Cybersecurity
Protecting systems from cyber threats

- Blockchain(OPTIONAL)
Decentralized apps & digital transactions
- Quantum Computing(OPTIONAL)
Solving complex problems with advanced computing

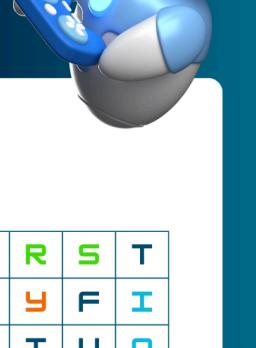
TRENDS IN MALAYSIA

- Data Analytics
Turning data into business insights
- AI
Integrating automation & smart services

- Cybersecurity
Safeguarding against local cyber threats

IN-DEMAND ICT ROLES (GLOBAL & MALAYSIA)

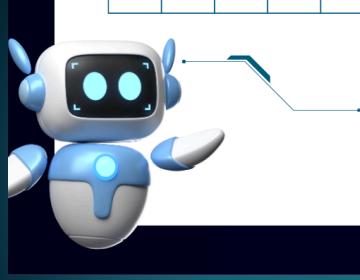
- 2.1 Global Roles (2025)
2.2 Malaysia Roles (2025)



INSTRUCTIONS

The points are in different colors

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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

Operation 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

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)

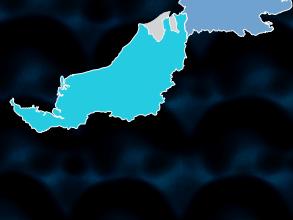
Customer service skills



SOFT SKILLS



GLOBAL VS MALAYSIA OPPORTUNITIES



GLOBAL ROLES

MALAYSIA ROLES

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