

Teo Sze Yan

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EDUCATION

Nanyang Technological University
Bachelor of Computing (Hons) in Computer Science
CGPA 4.95/5.0

August 2026 – August 2030
(expected)

Nanyang Polytechnic
Diploma in Cybersecurity and Digital Forensics
GPA 3.74/4.00

April 2021 – April 2024

Diploma+ & Additional Modules: Analytical Geometry, Applied Calculus, Advanced Calculus, Advanced Networking, Linux Foundation, Cyber Forensics Investigator, RH124 Linux System Administration I, RH134 Linux System Administration II, Windows Server 2019, ANSIBLE Automation, Cisco Modelling Lab

WORK EXPERIENCE

GOVTECH
Singapore's lead agency driving digital transformation and Smart Nation

April 2023 – March 2024

Cybersecurity Engineer (internship)

- Automated malware analysis pipeline using MWDB, Karton (CERT.pl), VMRay and OSINT tooling; implemented multiple malware analysis modules and laid groundwork for more complex family-specific analysers
- Provisioned multi-instance, multi-VPC AWS environments via Terraform (IaC); built CI/CD pipeline to deploy Karton workers from source to production

ACHIEVEMENTS

WorldSkills Singapore 2023 (Phase 1)
national skills competition held biennially to discover the best in talents among the youth in Singapore

March 2023

IT Network System Administration Trade, won Medallion for Excellence

- Microsoft Windows Environment
- Linux Debian Environment
- Cisco Networking Environment
- Ansible Infrastructure Automation

ACTIVITIES

Project SZEJO
Internal Development Platform that automates the complete lifecycle of secure microservices

On-going

- Platform Infrastructure: Built IDP to automate secure provisioning, configuration and single click deployment through console interface
- Zero-Trust Security: Integrated OIDC and OPA identity with mTLS and KMS envelope encryption to secure communications
- CICD and Dev Experience: Automated container build via Github Actions and webhooks and standardised development environment with local LLMs

SKILLS

- Security and Analysis
- Infrastructure and Cloud
- DevSecOps and Automation