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EDUCATION

- **Swinburne University of Technology — GPA: 3.0**
Bachelor of Information Technology (Cyber Security)

Ho Chi Minh City, Vietnam
September 2024 - now

SKILLS

- **Languages & Frameworks:** C++, Python, JavaScript, C#, SQL, Vue.js, Node.js, Express.js.
- **Security Tools:** Burp Suite, OWASP ZAP, Nmap, Metasploit, Hashcat, Hydra, Ghidra, Wireshark, Google Dorking.
- **Infrastructure & Cloud:** Linux (Daily Driver), AWS, Docker, CI/CD Pipelines, Networking.

EXPERIENCE

- **Workshop: Security and Networking in AWS**
Speaker & Content Developer

Swinburne University
November 2025

- Designed and delivered a comprehensive session on Cloud Fundamentals for IT students, demonstrating secure VPC architectures and CIDR block management to optimize network isolation and security posture.

- **Workshop: Data Protection & Governance**
Speaker & Content Developer

AWS Vietnam
September 2025

- Presented advanced data security strategies, focusing on the practical implementation of AWS KMS for Encryption at Rest and defining Guardrails to ensure compliance with data classification standards.

PROJECTS

- **Archery Score Recording System**

Swinburne University (Course: COS20031)
Relational Database Design & Full-stack Development
August 2024 - November 2024

- **Tech Stack:** MariaDB (SQL), Node.js, Express.js, Vue.js 3, Sequelize, Pinia.
- **Database Architecture:** Architected a highly normalized (3NF) database schema in **MariaDB** to manage complex relationships between Archers, Rounds, and Scores. Optimized indexing strategies and SQL queries to reduce latency for real-time leaderboard calculations.
- **Security Engineering:** Engineered a secure backend by implementing **Role-Based Access Control (RBAC)** middleware. Mitigated common OWASP vulnerabilities using Input Validation, parameterized queries (Sequelize) to prevent **SQL Injection**, and Bcrypt for password hashing.

- **Teams Management Platform - DevOps Implementation**

Personal Project (Infrastructure Focus)
CI/CD Automation & Cloud Deployment
November 2025

- **Tech Stack:** Docker, GitHub Actions, Docker Hub, Nginx, Linux (VPS), Bun, MongoDB.
- **Containerization:** Refactored a monolithic application into microservices-ready containers using **Docker** and **Docker Compose**, ensuring environment consistency across development, testing, and production stages.
- **Automation Pipeline:** Constructed a robust **GitHub Actions** CI/CD pipeline that automates image building, security scanning, tagging, pushing to **Docker Hub**, and executing zero-downtime deployments via SSH to a Linux VPS.
- **Infrastructure:** Deployed and configured **Nginx** as a high-performance reverse proxy to handle load balancing, static content delivery, and secure traffic routing to backend services.

CERTIFICATIONS & ACHIEVEMENTS

- **Industrial-intrusion Certificate** – Top 163/6000 / Network Forensics

July 2025

- **HCMUS CTF 2025** – Top 40 Teams / Web Exploitation & Crypto

August 2025

- **FPT Secathon** – Top 70 Teams / Web Security & Reversing

August 2025

- **AWS Academy Graduate - Cloud Foundations** – Amazon Web Services

Oct 2025

- **AWS Academy Graduate - Cloud Architecting** – Amazon Web Services

Nov 2025