

Lam An Thinh

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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**
- Relational Database Design & Full-stack Development*
- Swinburne University (Course: COS20031)
- 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**
- CI/CD Automation & Cloud Deployment*
- Personal Project (Infrastructure Focus)
- 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