

# Huynh Nguyen Quoc Bao

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## EDUCATION

### SWINBURNE UNIVERSITY OF TECHNOLOGY

Bachelor of Computer Science in Internet of Things

Ho Chi Minh City, Vietnam

September 2021 - September 2025

## SKILLS

**Cloud & Infrastructure:** AWS (EKS, EC2, S3, IAM, VPC), Infrastructure as Code (Terraform, CloudFormation).

**Containerization & Orchestration:** Kubernetes (EKS), Docker, Docker Compose, Microservices Architecture.

**Linux & Networking:** Linux Administration (RHEL/Ubuntu), TCP/IP, DNS, Firewalls, Network Security, System Hardening, Troubleshooting.

**Scripting & Automation:** Python (Advanced), Bash Scripting, CI/CD (GitHub Actions), Git/GitHub.

**Observability & Security:** Infrastructure Monitoring, Checkov, IAM Policy Management, Static Security Scanning.

## EXPERIENCES

### NAB Innovation Centre Vietnam

Cloud DevOps Engineer

Ho Chi Minh City, Vietnam

May 2025 – Oct 2025

- Managed and monitored scalable cloud infrastructure for **150+ microservices** on **Amazon EKS**, ensuring **99.9% service uptime** and production stability.
- Developed custom **Python automation scripts** to centralize Network Security Group configurations, significantly reducing manual effort and accelerating deployment cycles for internal developers.
- Implemented automated patch management and performed **Linux system administration** to harden security for a fleet of 50+ servers, ensuring compliance with strict security protocols.

### IoT Technology JSC.

IoT Engineer Intern

Ho Chi Minh City, Vietnam

June 2024 – Nov 2024

- Optimized backend server performance to handle **real-time data streams**, enhancing system scalability and data transmission reliability.
- Administered and troubleshooted network infrastructure (LoRaWAN gateways/servers), ensuring consistent connectivity for data indexing and collection.
- Collaborated with the engineering team to enforce coding standards and improve the efficiency of backend application servers.

## PROJECTS

### Automated Cloud Infrastructure Project

- Engineered a robust pipeline using Terraform and GitHub Actions to fully automate the provisioning of AWS resources, ensuring rapid, consistent, and error-free deployments.
- Integrated Checkov for static security scanning within the CI/CD pipeline to identify and block high-risk vulnerabilities prior to deployment.
- Configured HCP Terraform for remote state management to prevent state locking and facilitate collaboration within the DevOps team.

## ACTIVITIES

### ITea Lab

Head Lab

Ho Chi Minh City, Vietnam

September 2023 – Now

- Mentored students on Cloud Computing fundamentals (AWS), DevOps best practices, and software development lifecycles, fostering a strong engineering culture.
- Designed and delivered technical workshops on Cloud Infrastructure and Automation, including:
  - [Git & GitHub for Beginners!](#)
  - [Cloud Series](#)
- Presented on [AWS Cloud Mastery - DevOps on Cloud](#), sharing practical insights on building scalable cloud infrastructure and navigating the DevOps career path with the student community.