

PHUONG DANG

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EXPERIENCE

FCJ Cloud Intern

AWS Study Group

Apr. 2025 – Present

Ho Chi Minh City, Vietnam

- Completed an intensive AWS bootcamp covering core platform areas–Networking, Compute, Storage, Security, Database–through hands-on labs to deploy, secure, and operate workloads.
- Built and presented a capstone workshop that deployed an AWS-based system; documented architecture, deployment steps, and troubleshooting; see Projects for implementation details.
- Engaged in a collaborative, project-based learning environment, working with peers and receiving direct mentorship from AWS professionals to troubleshoot and resolve complex technical challenges.
- Actively supported the organization of official AWS community events in Vietnam, and was selected to participate in exclusive private training sessions on advanced cloud topics.

PROJECTS

Secure Container Pipeline Workshop | [Workshop](#) | [GitHub Repository](#)

Jul. 2025 – Aug. 2025

- Built a GitHub Actions pipeline (OIDC to AWS) to build a Node.js container, push to Amazon ECR, and gate releases with vulnerability scanning on high/critical issues and immutable image tags.
- Hardened Kubernetes workloads with securityContext best practices (non-root user, read-only root FS, no privilege escalation, drop all Linux capabilities).
- Enforced policy-as-code using Kyverno (block :latest images; require non-root) and validated with test pods (allowed/blocked cases).
- Deployed a 2-replica app to Amazon EKS and exposed it via a Kubernetes LoadBalancer service.
- Documented runtime threat detection with Falco for cluster security visibility.

Technologies Used: Amazon EKS, Amazon ECR, AWS IAM, GitHub Actions, Kubernetes, Docker, eksctl (IaC), Kyverno, Trivy, Node.js, YAML

EDUCATION

Ho Chi Minh City University of Technology and Education

Bachelor of Engineering in Information Technology

Aug. 2021 – Dec. 2025

- **Cumulative GPA:** 3.24/4.0
- **Academic Excellence:** Achieved A/A+ grades in critical courses such as Cloud Computing, Data Structures & Algorithms, Object-Oriented Programming, and IT Project.
- **Specialized Coursework:** Developed a strong theoretical foundation in DevOps-related topics through courses in Operating Systems, Networking Essentials, Information Security, and Web Security.
- **Practical Application:** Completed multiple project-based courses, including "Project on Software Engineering" (Grade: A), demonstrating the ability to apply software engineering principles to solve practical problems.

TECHNICAL SKILLS

Cloud Platforms: AWS (EKS, ECR, VPC, IAM), Foundational knowledge of Azure and GCP concepts

Containerization & Orchestration: Kubernetes, Docker

Infrastructure as Code (IaC): eksctl, Terraform (Conceptual)

CI/CD & DevOps Tools: GitHub Actions

DevSecOps & Security: Kyverno, Trivy, Falco

Programming & Scripting: Node.js, Python, Bash