

# PHUONG DANG

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## EXPERIENCE

### FCJ Cloud Intern

AWS Study Group

April 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](#)

July 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