

Nguyen Anh Dung

Ho Chi Minh City | nguyenanhdung.dev@gmail.com | +(84) 854234337 |

linkedin.com/in/andyng-dev/ | github.com/AndyNg195

Career Objective

Motivated DevOps engineer with hands-on experience in container orchestration, CI/CD pipeline implementation, and infrastructure automation. Dedicated to leveraging Kubernetes, Jenkins/ArgoCD, and scripting skills to streamline deployment workflows, enhance system reliability, and drive scalable operations in a collaborative environment.

Education

University of Science - VNUHCM, Bachelor of Science in Information Technology 10/2022 – 9/2026 (Expected)
Major in Computer Network and Telecommunications GPA: 3.28

I have completed all coursework and am currently in the process of finalizing my thesis. I am actively seeking opportunities to apply my skills and knowledge in a professional setting while awaiting graduation.

Experience

THD Cybersecurity, DevOps Engineer Intern 07/2025 - 12/2025

- Set up and monitoring CI/CD pipeline for projects on GitLab self-hosted
- Integrated DevSecOps practices with Shift-left approach into the CI/CD pipeline, including static code analysis and security scanning
- In charge of setting up and monitoring software products to ensure the security and reliability of the system for the company's clients
- Implemented Observability with full correlation of traces, logs, metrics for services on Kubernetes cluster
- Set up website hosting with proper configuration for WordPress
- Involving in debugging and configuring core proxy server of the company

Skills and Tools

Computer Science Fundamentals: Networking, Operating Systems, Data Structures & Algorithms, Object-Oriented Programming

Programming/Scripting Languages: Python; Javascript; Golang; Shell/Bash

Observability: Datadog, Prometheus, Grafana

CI/CD, GitOps & IaC: Jenkins; ArgoCD; Git, GitHub, Gitlab; Terraform

Container & Orchestrator: Docker; Kubernetes, Helm Chart

Soft Skills: Problem-solving, Analytical thinking, Team collaboration

Languages: Overall good reading and speaking skill

Certificates

TOEIC 895 - IIG Vietnam 8/2023

Kubernetes for the Absolute Beginners - Udemy 3/2025

AWS Academy Graduate - AWS Academy Cloud Architecting - [Verify here](#)

Projects

Java Spring-Boot Petclinic microservices with Service Mesh & DevSecOps Pipeline & Observability 11/2025-12/2025
Team of 4

Github - Main Helm Chart Role: Team Leader

Github - Service Mesh Helm Chart

Github - Ingress Helm Chart

Github - Observability (Helm Chart)

Github - Base Project (with Jenkins configured)

- **Tech stacked used:** Jenkins, Kubernetes (cluster with 1 master and 1 worker); ArgoCD; Sonarqube; Istio; Prometheus, Grafana, Loki, Alloy, Zipkin.
- CI (Jenkins, Sonarqube): built multi-stage Jenkinsfile (lint, unit tests, container build & push, security scan applied on each phase).
- Scanning based on various standard using Sonarqube for security measures
- CD: created Helm Chart& Kustomize manifests, deployed on a Kubernetes cluster (provisioned with GCP Compute Engine).
- Observability: integrate Prometheus, Grafana, Loki, Zipkin and Grafana Alloy.
Applied full Metrics - Traces - Logs correlation.
Custom dashboards show request rates / p95 latency / 5xx alerts.
- Service mesh is configured namespace-wide with TLS enforced on connection for a more secured environment
- Security & resource tuning: namespace isolation, resource limits, fluent label-based log routing via Alloy.

DataOps Pipeline Automation

[Link to Github](#)

11/2025

Course Project

Role: Data Engineer

- **Tech stack used:** DBT, Apache Airflow, SQL Server, Docker, GitHub Actions, Python, SQLFluff.
- Designed and implemented a **Medallion Architecture** (Bronze, Silver, Gold) using **DBT** to transform raw data from AdventureWorks into analytical insights.
- Orchestrated ETL workflows using **Apache Airflow** within a containerized **Docker** environment, ensuring reliable scheduling and dependency management.
- Built a robust **CI/CD pipeline** via GitHub Actions to automate SQL linting (SQLFluff), Python quality checks (Black/Flake8), and model deployment across Dev/Prod environments.
- Integrated automated data quality testing and schema validation using DBT tests, preventing invalid data integration before production deployment.
- Configured observability and monitoring with **Slack notifications** for pipeline status and auto-generated DBT documentation for data lineage tracking.

Personal Blog with Cloud Deployment

[Link to Github](#)

3/2025 - 4/2025

Team of 3

Role: Team leader

- **Tech stacked used:** AWS (Cloud Infrastructure); Nodejs (Backend); Tailwind (Frontend).
- Implement IAM roles, EC2, Auto Scaling Groups, and S3 to support traffic spikes and enable static web hosting.
- Utilize interface VPC endpoint to keep traffic within AWS infrastructure, help increasing security.
- Deployed a containerized backend on EC2, storing images in S3 to stay within the free tier and speed up provisioning.
- Set up CloudWatch to monitor backend health and trigger scaling via alarms, improving performance and reliability.