

# Nguyen Dinh Thang

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A results-driven DevOps Engineer with a strong foundation in R&D software engineering and 1.5 years of experience in researching and developing solutions for telecommunications and IT systems. Skilled in containerization, Linux system administration, networking, and automation, with hands-on experience in Kafka, Kubernetes, and Helm-based deployments.

## SKILLS

**Container & Orchestration:** Docker, Kubernetes

**Operating Systems:** Linux (RedHat Enterprise Linux, CentOS, Ubuntu), Windows

**Programming Languages:** Java, Python, Typescript, Bash

**Scripting/Automation:** Bash, Python, Ansible, GitlabCI

**Technology:** Elastic Stack, Kafka, Redis

**English:** Ability to read, write and understand technical documents

## WORK EXPERIENCE

### Devops

Apr 2025 - Present

Hanoi, Vietnam

#### Bizflycloud - VCCORP

- Designed, deployed, and maintained multi-node Kafka clusters in production environments.
- Migrated existing Kafka services from legacy environments to consolidated Kafka clusters, ensuring zero downtime and data consistency.
- Managed Helm-based deployments for microservices across multiple environments (development, staging, production).
- Implemented and maintained monitoring and alerting systems (Prometheus, Grafana, etc.) for services and infrastructure.
- Migrated applications from VMs to Kubernetes, optimizing resource utilization and deployment automation.
- Collaborated with development teams to improve CI/CD pipelines and enhance system reliability and scalability.

### Software Engineer

Jul 2023 - Mar 2025

Hanoi, Vietnam

#### Information Services & Technology Transfer Co., Ltd (ISTT Co.Ltd)

- Develop and maintain core telecommunications systems to support various services.
- Developing add-ons, plug-ins, and additional services to integrate into telco systems for provisioning purposes.
- Set up and manage CI/CD pipelines, enabling automated deployment processes.
- Architect and implement high-availability (HA) solutions to ensure system reliability, scalability, and fault tolerance.
- Implement logging and monitoring solutions using tools such as ELK stack and Zabbix.
- Design and develop internal tools and software to streamline company operations.
- Research and implement Kubernetes for container management. Conduct internal training on Kubernetes, CI/CD pipelines, and related DevOps tools.

## PROJECTS

### Application Migration to Kubernetes

Jul 2025 - Sep 2025

- Migrated LMS service from virtual machines to Kubernetes using Helm charts.
- Refactored deployments to use ConfigMaps, Secrets, and Persistent Volumes for better maintainability.
- Integrated services with centralized logging (Fluent Bit → Elasticsearch) and monitoring stacks.
- Automated deployment pipelines for staging and production environments to improve release efficiency.

### Kafka Cluster Setup & Consolidation

Apr 2025 - May 2025

- Built and configured a new Kafka cluster from scratch (multi-broker, KRaft mode).
- Migrated topics, consumer groups, and offsets from multiple legacy Kafka services into a unified cluster.
- Performed partition reassignments, replication tuning, and offset synchronization to ensure data consistency.
- Improved monitoring and alerting with Prometheus and Grafana for broker health, lag, and throughput metrics.

### Asset tracking

Dec 2023 - Nov 2024

- Build an Asset Tracking System that enables real-time location tracking, setting up and managing tracking zones, real-time alerts and notifications, reporting and data analysis.
- Design the system architecture.
- Implement the CI/CD pipeline for the project during development.
- Install and configure Zabbix to monitor and check the health of each service.
- System performance and load testing.
- Technology used: GitlabCI, Zabbix, Docker, SonarQube, HAProxy, Spring boot, K6, PostgreSQL Cluster.

### Spoofing Call

Jan 2024 - Jun 2024

- Development of SIP message traffic processing module.
- Perform system maintenance and troubleshooting.
- Install ELK stack for monitoring CDR, logs.
- Perform system integration implementation, contribute technical documentation for handovers and training.
- Technology used: Microservice, Docker, Consul, ELK stack, Prometheus, Spring boot.

### Staff-Timesheet

Sep 2023 - Dec 2023

- Build a timekeeping support application, integrate with Odoo data.

- Develop data synchronization feature.
- Implement the CICD model for the project during development.
- Technology used: Spring boot, GitlabCI, Mysql, Flask.

**Anti Spam Mail****Aug 2023 - Sep 2023**

- The system detects and prevents mail attacks from internal to Google's domain. The system will detect spam mail from internal accounts, issue warnings and block accounts.
- Contribute technical documentation for handovers and training.
- Technology used: Python, Networking, Bash script, Splunk.

**EDUCATION**

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**BA in Physic Engineer****Sep 2019 - Sep 2023**

Hanoi University of Science and Technology

GPA: 3.02