

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**
Bizflycloud - VCCORP

Apr 2025 - Present
Hanoi, Vietnam

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

Jul 2023 - Mar 2025
Hanoi, Vietnam

 - 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 CICD 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

BA in Physic Engineer

Sep 2019 - Sep 2023

Hanoi University of Science and Technology

GPA: 3.02