

Nguyen Hoang Anh Tuan



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OBJECTIVE

Backend and DevOps Engineer with experience in enterprise payment systems, API integration, and distributed architectures. Passionate about building scalable backend platforms, improving system reliability, and growing toward a Tech Lead role focused on architecture and engineering excellence.

EDUCATION

Aug 2018 - May 2023 **Hanoi University of Science and Technology**
Major: Computer Science
CPA: 3.34/4

WORK EXPERIENCE

July 2025 - Present **OpenWay Vietnam**
Junior - Technical Solution Consultant

- Developed and maintained payment gateway services using Spring Boot and NestJS for digital banking integrations with NAPAS and enterprise partners.
- Designed RESTful and GraphQL APIs to support transaction processing, reconciliation workflows, and backend service integrations.
- Implemented Kafka-based asynchronous communication to improve system reliability and message processing efficiency.
- Built and maintained Dockerized microservices deployed on Kubernetes/OpenShift clusters.
- Contributed to CI/CD pipelines using GitLab CI for automated build and deployment workflows.
- Collaborated with cross-functional teams including BA, QA, DevOps, and business stakeholders to deliver enterprise financial solutions.

Oct 2022 - July 2025 **OpenWay Vietnam**
Junior - Associate Solution Consultant

- Developed backend microservices using Java, Spring Boot, NestJS, and GraphQL for Apollo E-Wallet and Bhutan Payment projects.
- Built APIs for transaction management, user operations, and third-party payment integrations.
- Participated in microservice architecture development and integration within enterprise financial systems.

- Worked with Docker, GitLab, and PostgreSQL/MySQL databases in agile development environments.

March 2022 - Oct 2022

OpenWay Vietnam

Intern - Part time

- Developed backend APIs using Java, Node.js, Spring Boot, and GraphQL for Apollo E-Wallet services.
- Supported backend feature implementation, API integration, and database operations.
- Participated in debugging, testing, and improving backend service stability.

July 2021 - Nov 2021

SUNIVY INTERNATIONAL .INC

Intern - Full time

- Developed CRM integration services connecting Facebook and Zalo platforms using Spring Boot, Kafka, and Webhook-based architectures.
- Built backend APIs and services to synchronize social network data with CRM systems.
- Performed ETL processing using Talend with Oracle and SQL Server data sources.
- Worked with asynchronous event processing and third-party platform integrations.

Dec 2020 - June 2021

VC Corp

Intern - Part time

- Learned and practiced Big Data technologies including Hadoop and Apache Spark.
- Developed backend APIs and services using Spring Boot. Built log analytics and data processing pipelines using Spark (Scala).
- Gained experience in distributed data processing and large-scale log analysis.

CERTIFICATIONS

May 2022

TOEIC Certificate with score 505 issued by CFL (Foreign Language center of Hanoi University of Science and Technology)

SKILLS

Backend

Java, Spring Boot, NestJS, Node.js, Golang

Infrastructure

Docker, Kubernetes, Linux, AWS

Messaging & Integration

Kafka, REST, GraphQL

Databases

PostgreSQL, MySQL, MongoDB, SQL Server

DevOps & Tools

GitLab CI/CD, Helm, Redis

Architecture

Microservices, Event-Driven Architecture

PROJECT

Apollo (Finished)

- Project at Openway

DK (Finished)

- Project at Openway

- Position: Backend Java, Backend Javascript
- Built microservice-based payment APIs using Spring Boot to support transaction processing and external banking integrations.
- Technology: Spring Boot, Docker, Gitlab, MySQL, AWS, GraphQL, NodeJS, NestJS

Libra Gateway (Finished)

- Project at Openway
- Position: Backend Typescript
- Using NestJS, microservices to build the gateway provides unified RESTful APIs for card lifecycle services, transaction history, card issuance workflows, and customer information synchronization for Bank for Investment and Development of Vietnam (BIDV)
- Technology: NestJS, Docker, Gitlab, OpenShift, Kubernetes, Helm, Microservices

- Position: Backend Typescript
- Using NestJS, GraphQL to build backend service for banking application (Mobile and Web) of Digital Kidu Banking, Bhutan
- Technology: NestJS, GraphQL, Docker, Gitlab, MySQL, AWS, Redis

NAPAS Gateway (Doing)

- Project at Openway
- Position: Backend Golang
- Using Golang with Gin to build the gateway for integrate with NAPAS 2.0. NAPAS Gateway is a backend services platform that provides ISO 8583 message processing, QR code payment capabilities, and routing services, ...
- Technology: Golang & Gin, Postgresql, Docker, Gitlab, Kubernetes, Helm, Microservices