

NGUYEN THANH TAM

MIDDLE BACKEND DEVELOPER

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PROFESSIONAL SUMMARY

Backend developer building maintainable Java 17+ and Spring Boot services for logistics operations. Experienced with service integration, asynchronous processing, database access, caching, operational search, security boundaries, and document workflows. Focused on clear service contracts, reliable data flows, and practical production support.

CORE SKILLS

Backend Java 17+, Spring Boot, REST, gRPC, OpenFeign	Data Oracle, PostgreSQL, MongoDB, Spring Data JPA/Hibernate	Messaging and Cache Kafka, Redis, EMQX / MQTT
Infrastructure Kubernetes, Rancher, Nginx, Linux	Delivery GitLab CI, Docker, Grafana, Prometheus, ELK	Additional JWT/OAuth2, RBAC, ShedLock, PDF generation

PROFESSIONAL EXPERIENCE

Middle Backend Developer | GTEL OTS

Aug 2024 - Present

- Develop and maintain Java 17+ and Spring Boot microservices for vehicle lookup, journey data, operational statistics, and record exports.
- Design Oracle, PostgreSQL, and MongoDB data models; optimize SQL queries, indexing, transactions, and persistence with Spring Data JPA/Hibernate.
- Build resilient Kafka consumers and asynchronous synchronization workers with retry, idempotency, and dead-letter handling.
- Use Redis for caching, distributed locking, rate limiting, and temporary state coordination.
- Integrate microservices through gRPC and REST APIs; implement JWT/OAuth2 authentication, RBAC authorization, and API security practices.
- Build, deploy, and troubleshoot services with Maven/Gradle, Docker, Kubernetes, and CI/CD pipelines.
- Monitor services through Prometheus, Grafana, ELK, and log analysis; participate in code reviews, technical design, and mentoring junior developers.

Backend Developer Intern | FPT Software Academy

January 2024 - July 2024

- Contributed to a Spring Boot training-management application by designing database structures, implementing CRUD features, testing, and fixing defects.

EDUCATION

FPT University, Ho Chi Minh City

Software Engineering - Good

2019 - 2023

SELECTED PROFESSIONAL WORK

Confidentiality Note: The projects below are generalized examples of similar systems. Names, business details, and technical implementations have been adapted to protect confidential information.

Fleet Operations Core

Central service for fleet workflows, interactive lookup, operational statistics, service integration, and document generation.

- Developed REST APIs, relational queries, and workflow-oriented use cases.
- Integrated related services through REST and gRPC and contributed to Kafka event paths.
- Applied Redis for explicit cache and short-lived workflow state.

Stack: Java 17, Spring Boot, REST, gRPC, Kafka, Redis, Elasticsearch, Docker

Fleet Administration and Dispatch

Administration service for planning, resources, devices, configuration, and operational coordination.

- Developed APIs and validation for planning, resource, device, and configuration flows.
- Worked on lifecycle and assignment-state queries, caching, and coordination.
- Supported event integration, service-to-service calls, reports, and exports.

Stack: Java 17, Spring Boot, REST, gRPC, Kafka, Redis, ShedLock, Docker

Fleet Data Intelligence Hub

Read-oriented service for multi-source synchronization, aggregation, operational search, and normalized lookup.

- Built synchronization workers and Kafka consumer flows for approved data sources.
- Developed lookup and aggregation APIs with REST and gRPC boundaries.
- Worked on Elasticsearch query paths, data processing, and integration-state handling.

Stack: Java 17, Spring Boot, Kafka, Elasticsearch, MongoDB, gRPC, Docker

EARLIER PROJECTS

Academic Blog at FPTU - Led team delivery, coordinated documentation, designed the database, and implemented backend APIs. (ASP.NET REST API, SQL Server)

FPT Software Academy Training Management System - Designed database structures, implemented CRUD features, tested functionality, and fixed defects. (Spring Boot, MySQL)

Contract Management System - Contributed to database and REST API design, built full-stack features, and supported deployment. (ASP.NET REST API, React, SQL Server)

CERTIFICATIONS AND LANGUAGES

Certifications Web Design for Everybody: Basics of Web Development and Coding Software Development Lifecycle CertNexus Certified Ethical Emerging Technologist Google Project Management	English Intermediate - able to communicate and read technical documentation	Work Modes Onsite, hybrid, or remote Status Open to work and freelance projects
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