

Le Gia Long

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Recent Information Technology graduate with foundational knowledge of Java programming and experience building web applications using Spring Boot. Seeking an Intern or Fresher position to kickstart my career as a Backend Developer and grow professionally.

EDUCATION

Student - Information Technology

Oct 2021 - Apr 2025

HCMC University of Industry and Trade (HUIT)

PROJECTS

MicroSync Social Platform - Team Size: 1 [↗](#)

Built a microservices-based social media platform using **Spring Boot**, **Java 17**, and multiple databases (**MySQL**, **MongoDB**, **Neo4j**) as a self-directed learning project. The system includes five core services: **API Gateway**, **Identity**, **Profile**, **Post**, and **Notification Service**, aiming to simulate real-world enterprise architecture. Implemented secure **JWT authentication**, **inter-service communication** via **FeignClient**, and **real-time notifications** using **Kafka** and **Brevo**.

Key contributions:

- Implemented **JWT authentication** & **BCrypt hashing** for secure user management.
- Built **CRUD operations** with **Spring Data JPA** and **MapStruct** for efficient data handling.
- Designed a **paginated post system** using **Strategy Pattern** and dictionary mapping.
- Enabled **real-time notifications** via **Kafka** and email delivery through **Brevo**.
- Managed **inter-service communication** using **WebClient** and **FeignClient**.
- Secured APIs with **OAuth2 Resource Server** and handled cross-origin requests via **CORS**.
- Containerized applications using **Docker** and tested APIs with **Postman**, **MockMVC**, and **JUnit 5**.
- Ensured code quality using **SonarQube**, **Spotless**, and comprehensive **unit/integration testing**.

ShopApp Backend - Team Size: 1 [↗](#)

Developed a **RESTful backend API** for an **e-commerce application** as part of a self-learning project using **Spring Boot**, **Java 17**, and **MySQL**. The system simulates essential e-commerce functionalities, including **user authentication**, **product management**, **order processing**, and **role-based access control**, with a focus on clean architecture and code maintainability.

Key contributions:

- Implemented **secure JWT authentication** with custom token decoding and integration of **OAuth2 Resource Server**.
- Built a **modular architecture** with clear separation of concerns: **Controller**, **Service**, **Repository**, **DTO**, **Mapper**, and **Entity**.
- Designed clean **request-response models** using **DTOs** for structured and secure data exchange.
- Automated mapping between DTOs and entities using **MapStruct**, enhancing code clarity and reducing boilerplate.
- Developed **CRUD operations** for categories, products, users, roles, orders, and product images following **RESTful principles**.
- Handled exceptions with a **centralized global error handler** and custom error codes per module.
- Utilized **Spring Data JPA** for database access and **Lombok** to simplify model classes.
- Secured endpoints using **Spring Security**, with **CORS configuration** and **role-based access control**.

SKILLS

Languages & IDEs: Java, C++, IntelliJ IDEA, Visual Studio Code, Dev-C++

Frameworks & Libraries: Spring Boot, Spring Data JPA, Spring Cloud (Gateway, OpenFeign), Spring Security (JWT, OAuth2, BCrypt), Spring Kafka, MapStruct, Lombok

Databases: PostgreSQL, MySQL, SQL Server

API Development: RESTful APIs, WebClient, FeignClient

Tools & Platforms: Maven, Docker, Postman

Version Control: Git, GitHub

Concepts & Practices: Object-Oriented Programming (OOP), Exception Handling