

DUC ANH NGUYEN

Software Engineer - Java Backend

Phone: +84 915 080 473

GitHub: github.com/AnhND81225

Email: ducanh.nguyenkl@gmail.com

Location: Ho Chi Minh City, Vietnam

SUMMARY

Software Engineering student focused on Java backend development, secure REST APIs, and software engineering fundamentals. Hands-on experience building backend systems with Spring Boot, Spring Security, JPA/Hibernate, PostgreSQL, Docker, GitHub Actions, and Swagger/OpenAPI. Interested in building reliable, maintainable backend systems through clean code, teamwork, unit testing, problem solving, and continuous learning.

SKILLS

Fundamentals: OOP, Data Structures & Algorithms, Problem Solving

Backend: Java, Spring Boot, REST APIs, Spring Security, JWT/RBAC, JPA/Hibernate

Database: PostgreSQL, SQL Server, SQL

Testing: JUnit 5, Mockito, Spring Boot Test, basic unit testing

Tools & DevOps: Git, GitHub, Maven, Docker, AWS EC2, GitHub Actions, Postman, Swagger/OpenAPI

PROJECTS

05/2026 - Present

Personal Project

AI Study Assistant

Backend Developer

Repo: github.com/AnhND81225/ai-study-assistant-platform

- Built a Spring Boot backend where students upload homework images and receive structured explanations, grading feedback, and study history.
- Implemented JWT authentication, RBAC, BCrypt password hashing, and ownership checks to protect user-specific study data.
- Integrated OpenAI API using structured prompts, timeout handling, usage logging, response validation, and consistent error mapping.
- Added unit tests for AI response validation, JWT/security utilities, and service-layer error handling using JUnit 5 and Mockito.
- Integrated Cloudinary for homework image storage and documented APIs using Swagger/OpenAPI.
- Deployed Dockerized Spring Boot backend on AWS EC2 and configured GitHub Actions for CI workflows.

Tech: Java, Spring Boot, Spring Security, PostgreSQL, OpenAI API, Cloudinary, Docker, AWS EC2, GitHub Actions, Swagger/OpenAPI

01/2026 - 03/2026

Team of 5

Franchise & Central Kitchen Management System

Backend Developer

Repo: github.com/AnhND81225/central-kitchen-franchise-management-backend

- Developed backend APIs for food production, supply workflows, order management, issue handling, and system operations.
- Built 10+ RESTful APIs and structured modules using Controller-Service-Repository architecture.
- Collaborated in a team of 5, integrating JPA/Hibernate with PostgreSQL and documenting APIs with Swagger/OpenAPI for frontend collaboration.

Tech: Java, Spring Boot, Spring Security, JPA/Hibernate, PostgreSQL, Docker, Postman, Swagger/OpenAPI, Railway, Supabase

09/2025 - 11/2025

Team of 3

Music Web

Backend Developer

Repo: github.com/AnhND81225/MusicWeb_Servlet_JSP

- Developed backend modules for songs, albums, artists, playlists, registration, login, and account management.
- Applied MVC architecture with JSP/Servlet and JPA/Hibernate, using SQL Server for relational persistence.

Tech: Java, JSP, Servlet, JPA/Hibernate, SQL Server, CSS, JavaScript

EDUCATION

Bachelor of Software Engineering

FPT University, HCM Campus

GPA: 3.0/4.0 | Expected Graduation: 2027

CERTIFICATIONS & TRAINING

IBM Java Developer - 2025

Java Programming Fundamentals - 2025

FCJ Workforce Program - AWS Cloud Training - 2026

IELTS Academic 5.5 - 2024