

NGUYEN VAN MINH

Internship - Backend Developer

(+84) 353 999 798 | nvminh162@gmail.com | nvminh162.id.vn

An Nhon, Go Vap, TP HCM

SUMMARY

Aspiring Java Backend Developer with a solid foundation in Spring Boot and relational databases (MySQL/MariaDB, PostgreSQL). Proficient in designing and building RESTful APIs, implementing JWT-based authentication, and integrating AI-powered chatbots using RAG pipelines. Passionate about backend architecture, scalable system design, and applying modern technologies to solve real-world problems. Eager to contribute to a professional development team and grow as a reliable software engineer.

EDUCATION

Ho Chi Minh City University of Industry (IUH)

Engineering in Software Engineering

Ho Chi Minh City, Vietnam

Sep 2022 – Present

- GPA: 3.2 / 4.0

PROJECTS

Aurora Hotel Management System

Tech Stack: Java Spring Boot, Spring Security, PostgreSQL, Redis, VNPay, Spring AI (RAG)

- Auth & RBAC: Built JWT access/refresh workflow with introspection and invalidation, OAuth2 resource server configuration, and 5 roles (Admin / Manager / Staff / Customer / Guest) with 70+ permissions.
- Hotel Operations: Developed room/type/category/amenities modules, room state tracking, flexible pricing (base/weekend/holiday), media galleries, and multi-branch management with branch-level reporting.
- Booking Engine: Implemented real-time availability checks, multi-room booking flows, unique booking codes, and full modification/cancellation lifecycle handling.
- Payments: Integrated VNPay with IPN processing, payment status tracking, refund handling, and secure transaction hashing (SHA-256).
- Analytics & AI: Built revenue/occupancy dashboards and booking trend reports; integrated RAG chatbot with document upload, embeddings, pgvector semantic search, and streaming responses via Spring AI.

Repository: nvminh162/aurora-hotel-management-system

Production: aurora-hotel.nvminh162.id.vn

SKILLS

Languages: Java

Frameworks: Spring Boot, Spring Security, Spring Data JPA, Spring AI

Databases: MySQL, PostgreSQL, Redis

Tools: Git, Docker, Postman, IntelliJ IDEA