Nguyễn Quốc Bảo

BACKEND DEVELOPER

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SUMMARY

An active, determined and passionate software engineer graduate with knowledge and experience in backend development including microservices, and competitive programming.

SKILLS

- Java   • Spring Boot • SQL • PostgreSQL • MySQL • MongoDB • Docker • Kafka

PROJECTS

January 2025

Business Directory API
Individual

- Designed and implemented a monorepo microservice using Java/ Spring Boot with clean architecture principles.
- Use PostgreSQL for relational data modeling and optimized query performance for directory searches.
- Integrated Apache Kafka for event-driven communication between services, ensuring system scalability and decoupling.

March 2025

Modular Background Task Scheduler
Individual

- Built a modular task scheduler in Java/Spring Boot using Command to encapsulate and decouple task logic, and Observer to log and handle actions based on task lifecycle events.
- Leveraged Java multithreading to run tasks concurrently, enhancing efficiency and performance.

File Compressor and Decompressor API From Scratch
Individual

March 2025

- Developed a file compression and decompression API using Java/ Spring Boot for backend processing and file handling.
- Implemented Huffman Coding for compression and decompression, optimizing space further through efficient bit-level manipulation of encoded data.

EDUCATION

Nguyễn Hữu Huân highschool
- Won a silver medal in the 30/4 Olympic Competition in Casio Mathematics.

FPT University
- Got 20% Scholarship of FPT.
- Got Student of Excellence Certificate of Fall 2023 Semester.

OTHER QUALIFICATIONS

Band 7.0 IELTS
Basic Japanese