KHOI PHAM

Fresher Software Engineer

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Summary

Software Engineer focused on backend development and distributed systems. Experienced with Java Spring Boot, RESTful APIs, and CI/CD pipelines in building scalable services. Comfortable working in team environments, following clean code practices, and continuously improving system quality and reliability.

Education

FPT University   *Ho Chi Minh, Viet Nam*
BACHELOR'S, SOFTWARE ENGINEERING   *Oct. 2022 – Apr. 2026*

- Major in **Java Backend Development**.
- Current GPA: **3.2/4.0**.

Le Quy Don High School for the Gifted   *Vung Tau, Viet Nam*
HIGH SCHOOL DIPLOMA, SPECIALIZED IN MATHEMATICS   *2019 – 2022*

- Graduated with GPA: **9.2/10.0**.

Work Experience

FPT SOFTWARE, JUNIOR SOFTWARE ENGINEER - BACKEND   *Ho Chi Minh City, Dec. 2024 – Present*

- Worked in a **Scrum-based** microservices environment using **Java Spring Boot** to develop and maintain backend services.
- Implemented and migrated RESTful APIs for enterprise systems following clean architecture principles.
- Wrote **unit tests** with **JUnit**, achieving **over 80% code coverage** measured by **JaCoCo**.
- Debugged and fixed production issues by analyzing logs and metrics on **Grafana**.
- Deployed services through **Jenkins CI/CD** pipelines and managed tasks and sprints using **Jira**.
- **Tech Stack**: **Java**, **Spring Boot**, **Microservices**, **JUnit**, **JaCoCo**, **Grafana**, **Jenkins**, **Jira**

Projects

SLIDE AI – GENERATIVE LESSON PLATFORM (5 MEMBERS, JAVA + PYTHON) ⧉   *Aug 2025 – Nov 2025*

- Built an AI-powered learning platform that ingests textbooks, detects lessons, and serves grounded Q&A using **RAG** and vector search.
- Designed a **microservices** system with **Spring Boot**, **Spring Cloud Gateway**, **Eureka**, and **JWT**.
- Built an RAG pipeline using **FastAPI**, **LangChain**, **FAISS**, **MongoDB**, and OCR.
- **Role**: Team Lead | **Tech Stack**: **Spring Boot**, **FastAPI**, **Kafka**, **MongoDB**, **React**, **Docker**

EDUPATH – EDUCATIONAL PLATFORM (5 MEMBERS, JAVA) ⧉   *Jun 2024 – Jul 2024*

- Built a university exploration platform with an **AI-powered chatbot**.
- Developed real-time data visualization with **PostgreSQL** and **MongoDB**.
- **Role**: Team Lead | **Tech Stack**: **Java**, **Spring Boot**, **PostgreSQL**, **MongoDB**, **React**

FOOD FORUM – SOCIAL PLATFORM (5 MEMBERS, PYTHON) ⧉   *May 2024 – Jul 2024*

- Built a social platform with **FastAPI WebSocket** for real-time messaging.
- Implemented secure auth with **Firebase**, **JWT**, and a **React** + **TailwindCSS** UI.
- **Role**: Team Lead | **Tech Stack**: **FastAPI**, **Firebase**, **JWT**, **React**, **TailwindCSS**

Honors & Awards

- **Solved 300+ LeetCode Problems** covering Data Structures & Algorithms.   *2024 – Present*

Skills

- **Programming Languages**: Java, Python
- **Databases**: PostgreSQL, MongoDB
- **Cloud & DevOps**: AWS, Firebase, Docker, Kubernetes, Jenkins