

KHOI PHAM

FRESHER SOFTWARE ENGINEER

☎ (+84) 795 335 577 | ✉ dangkhoipham80@gmail.com | 📄 dangkhoipham80 | 🌐 khoipham4022 | 🏠 Portfolio

Education

FPT University

BACHELOR'S, SOFTWARE ENGINEERING

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

Ho Chi Minh, Viet Nam

Oct. 2022 – Apr. 2026

Le Quy Don High School for the Gifted

HIGH SCHOOL DIPLOMA, SPECIALIZED IN **MATHEMATICS**

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

Vung Tau, Viet Nam

2019 – 2022

Work Experience

FPT SOFTWARE, INTERN SOFTWARE ENGINEER - BACKEND

- Developed and maintained backend systems using **FastAPI**, focusing on data processing and API development.
- Collaborated with cross-functional teams under **Scrum methodology** to deliver scalable, high-performance solutions.
- Implemented **RESTful APIs** and integrated third-party services for enterprise-level applications.
- Gained hands-on experience with cloud deployment and containerization using **Docker**.
- **Tech Stack**: **FastAPI**, **Docker**, **PostgreSQL**

Ho Chi Minh City, Dec. 2024 – Mar. 2025

Projects

SLIDE AI – GENERATIVE LESSON PLATFORM (5 MEMBERS, **JAVA + PYTHON**)

- Led the microservice architecture across **Spring Boot** services (auth, content, payment, wallet, mindmap) with **Spring Cloud Gateway + Eureka** as a single entry point enforcing **JWT** routing policies.
- Built the AI slide engine: **FastAPI** RAG pipeline using **LangChain**, **FAISS**, **MongoDB**, **Tesseract OCR**, and **Poppler** to ingest textbooks, detect lessons, and answer grounded queries.
- Implemented **Kafka**-powered workflows (user events, wallet **Saga** holds/releases, payment outbox) ensuring reliable cross-service transactions and wallet/payments reconciliation.
- Delivered a **React + TypeScript** front end with a reusable design system, teacher/student dashboards, curriculum explorer, and slide authoring UI wired to the AI + backend services.

Aug 2025 – Nov 2025

EDUPATH – EDUCATIONAL PLATFORM (5 MEMBERS, **JAVA**)

- Built a platform helping high school students explore universities, compare majors, and receive 24/7 career guidance with an **AI-powered chatbot**.
- Developed Real-time Data Visualization for admission scores and exam distributions.
- Integrated multiple data sources with **PostgreSQL** and **MongoDB** for accurate comparison.

Jun 2024 – Jul 2024

FOOD FORUM – SOCIAL PLATFORM (5 MEMBERS, **PYTHON**)

- Developed a community platform for food enthusiasts to share recipes and engage in real-time conversations.
- Implemented a Real-time Messaging System with **FastAPI WebSocket**.
- Built a secure Authentication System with **Firebase**, **JWT** and a responsive UI using **React + TailwindCSS**.

May 2024 – Jul 2024

Skills

- **Programming Languages**: Java, Python
- **Backend Frameworks**: Spring Boot, FastAPI
- **Databases**: PostgreSQL, MySQL, SQL Server, MongoDB
- **Cloud & DevOps**: AWS, Firebase, Docker, Kubernetes
- **Tools & Platforms**: Git, GitLab, GitHub, VS Code, IntelliJ IDEA, Nginx