

Huy Kieu van

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EDUCATION

Software Engineer

FPT University, Da Nang

Date: Oct 2021 - Present

GPA: 3.41/4

SKILLS

Languages: .NET, Java, JavaScript, TypeScript, SQL, HTML, CSS

Backend: ASP.NET, Spring Boot, NodeJS

Other: SOLID principles, Design Patterns, CICD pipelines

Frontend: ReactJS, AngularJS, SASS

Database: MySQL, SQL Server, MongoDB, Redis

WORK EXPERIENCE

FPT SOFTWARE | Software Engineer Intern (Backend-oriented) | Da Nang, VN

Aug 2024 – Dec2024

- Participated in a software development project for a **Japanese client**, working in a professional offshore environment
- Responsible for creating and maintaining **functional design documents and screen specifications**, clearly describing business flows, UI behaviors, and system logic
- Collaborated closely with **backend and frontend engineers** to align functional requirements with API design and data flow
- Analyzed business requirements and translated them into **structured technical documentation** to support implementation and testing
- Gained practical experience with **software development processes, requirement analysis, and system-level thinking**

PROJECTS

BOOKING CARE – ONLINE MEDICAL APPOINTMENT SYSTEM

Sep 2025 - Dec 2025

- Developed a full-stack healthcare booking platform using React 19, TypeScript, Redux Toolkit, and .NET 8 microservices.
- Implemented real-time chat and video calls with SignalR and WebRTC, multi language support (VI/EN), OAuth2 authentication, and AI-powered chatbot.
- Designed a microservices architecture (18+ services) with API Gateway (Ocelot), gRPC, RabbitMQ, database-per-service, integrated online payments, caching, monitoring, and containerized deployment with Docker.

TOUR BOOKING – ONLINE TOUR BOOKING SYSTEM

Jan 2025 - Mar 2025

- Designed and developed a .NET 8 backend following Clean Architecture, building secure RESTful APIs for tour booking and payment processing.
- Implemented JWT, OAuth2 (Google/Facebook), and 2FA (TOTP) authentication, integrated VNPay and PayOS, developed real-time messaging with SignalR, and ensured system reliability with SQL Server, EF Core, Serilog logging, and queue-based email services.

MOVIE WEBSITE

May 2024 - July 2024

- Developed a Spring Boot 3.2 (Java 17) RESTful backend for a movie streaming platform, following a layered architecture with Spring Data JPA and MySQL.
- Implemented secure authentication and authorization using Spring Security, JWT, OAuth2 (Google Login), and RBAC, integrated VNPay payment gateway with HMAC verification, and built multi-channel notifications (Email, SMS OTP with Twilio).
- Designed a relational database with 15+ entities, supported external movie API integration, file uploads, and multi-language (i18n) features.