HUYNH THAI DUONG

Ho Chi Minh , Vietnam • huynhthaiduong21042003@gmail.com • +84337605695 • linkedin.com/in/hnhthdng

I have experience in backend development and am focused on delivering high-quality solutions and improving system performance.

Short-term: Enhance database knowledge, learn cloud technologies, implement CI/CD, and expand microservices expertise.

Long-term: Become a Backend Architect, and lead a development team.

SKILLS

Language: C#, Javascript

Database: MS SQL Server, SQLite, PostgreSQL

Caching and Messaging: Redis, RabbitMQ

Version Control/Project Management: Git, Agile/Scrum, Jira

Cloud and Deployment: Azure, Docker

Frameworks: .NET Core (ASP.NET MVC & API), SignalR, Winform, WPF

EDUCATION

BSc Software Engineering   **Sep 2021 - May 2025**

FPT University   **GPA:** 3.3/4.0

   English: B2 Japanese: N5

WORK EXPERIENCE

Backend Developer   **Nov 2023 - Apr 2024**

FPT Software

   Team Size: 100 Members

   Description: A web-based travel agency platform developed for a Japanese client, focusing on hotel bookings, travel management.

   Responsibilities:

- Worked in a 6-member sub-team, following Agile methodology.
- Participated in requirement analysis and contributed to drafting and reviewing SRS documents.
- Assisted in developing hotel management APIs using .NET Core.
- Collaborated on system documentation to ensure clarity and consistency in implementation.
- Assisted in maintaining source code, managing version control with Git.

   Technologies: .NET Core, MS SQL Server, ReactJS, Azure, Git

IT Support Collaborator   **Oct 2022 - Nov 2023**

FPT University

- Resolved technical issues for users, achieving a 95% customer satisfaction rate and reducing average resolution time by 30%.

PROJECTS

SD Photobooth   **Jan 2025 - May 2025**

   Team Size: 4 members

   Description: An AI-powered photo booth using Canon cameras and Stable Diffusion to generate personalized images based on user preferences.

   Responsibilities:

- Developed API management system for integration with Next.js, WPF, and Flutter, deployed on Azure.
- Used Entity Framework Core & LINQ for efficient database operations with SQL Server.
- Implemented JWT authentication & authorization with .NET Identity for secure user management.
- Applied Redis caching, storing access tokens in a blacklist upon user logout.
- Integrated RabbitMQ for photo management and SignalR for real-time delivery to WPF clients.
- Designed WPF UI, uploaded photos to Firebase, and processed photo links via SignalR.
- Ensured version control and collaboration with Git.

   Technologies: Python, Next.js, .NET, WPF, Flutter, SQL Server, Azure, RabbitMQ, Redis, Firebase, Git

Shopping E-commerce Platform ⧉   **Dec 2024 - Jan 2025**

   Description: Developed and deployed microservices architecture for e-commerce platform, focusing on Catalog, Basket, Discount, and Ordering services.

   Responsibilities:

- Built microservices for Catalog, Basket, Discount, and Ordering using ASP.NET Core.
- Implemented YARP API Gateway to manage and route traffic between microservices.
- Integrated asynchronous messaging with MassTransit and RabbitMQ, enabling event-driven communication.
- Applied CQRS pattern with MediatR to decouple read and write operations, improving scalability and maintainability.
- Optimized Basket service with Redis caching to reduce database load and enhance response time.
- Integrated gRPC for high-performance communication with the Discount service.
- Containerized microservices using Docker and managed deployment with Docker Compose.
- Ensured secure version control and team collaboration through Git.

   Technologies: ASP.NET Core, Razor Pages, Postgres, SQL Server, Redis, RabbitMQ, YARP, gRPC, Docker, Git

FPT Dormitory Management System ⬈   **Jun 2024 - Aug 2024**

Team Size: 4 members

Description: Developed a student registration, room allocation, and booking system with a RESTful API using ASP.NET Core.

Responsibilities:

- Developed RESTful API for student registration, room allocation, and booking management with ASP.NET Core.
- Used Entity Framework and LINQ for efficient database operations.
- Implemented role-based authentication and authorization with ASP.NET Identity.
- Integrated VNPay for secure online payment processing.
- Collaborated with front-end developers to integrate the API with the React front end.
- Participated in code reviews to maintain high-quality, well-documented code.

Technologies: React, ASP.NET Core API, SQL Server, Git, Entity Framework, LINQ, VNPay