

HUYNH THAI DUONG

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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	Dec 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:	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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:	
<ul style="list-style-type: none">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:	
<ul style="list-style-type: none">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	

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