HUYNH THAI DUONG

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OBJECTIVE

I have backend development experience focused on delivering high-quality solutions and improving system performance. **Short-term:** strengthen database expertise, learn cloud technologies, implement CI/CD, and microservices knowledge. **Long-term:** aim to become a Backend Architect and lead a development team.

EDUCATION

FPT UNIVERSITY - BSc Software Engineering

09/2021 - 05/2025

GPA: 3.3/4.0English: B2-C1Japanese: A2

• Courses taken: Object Oriented Programming, Data Structure and Algorithms, Web Design, Operating Systems, Computer Networks, Database Systems

WORK EXPERIENCE

FPT SOFTWARE - Backend Developer

12/2023 - 04/2024

Team Size: 100 Members

Description: A web-based travel agency platform developed for the client, focusing on hotel bookings and travel management. **Responsibilities:**

- Worked in a 6-member Agile sub-team, ensuring sprint delivery on time.
- Drafted and reviewed SRS documents, improving requirement clarity and reducing rework.
- Developed hotel management APIs using .NET Core, contributing to improved system performance.
- Collaborated on system documentation, ensuring consistency and clarity across the development lifecycle.
- Maintained source code and managed version control with Git, ensuring team code integrity.
- Learned cloud deployment practices on Azure, expanding backend-cloud integration knowledge.

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

FPT UNIVERSITY - IT Support Collaborator

09/2022 - 12/2023

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

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

PROJECTS

AI PHOTOBOOTH WITH STABLE DIFFUSION

(01/2025 - 05/2025)

AI PHOTOBOOTH WITH STABLE DIFFUSION (01/2023 -	
Customer	CAPSTONE PROJECT - FPT University
Description	An AI-powered photo booth using Canon cameras and Stable Diffusion to generate personalized images based on the user preferences
Team size	4
My position	Backend Developer
My responsibilities	 Developed API management system integrated with Next.js, WPF, and Flutter, deployed on Azure. Designed secure user management using .NET Identity and JWT authentication and authorization. Optimized database operations with EF Core & LINQ on SQL Server. Applied Redis caching to manage session tokens, including blacklist on logout. Integrated RabbitMQ for photo task management and SignalR for real-time delivery. Built WPF UI, uploaded photos to Firebase, and processed image links. Ensured robust version control and team collaboration using Git.
Technologies used	Python, .NET (ASP.NET Core, WPF), Next.js, Flutter, SQL Server, Redis, RabbitMQ, Firebase, Azure, SignalR, Git

SHOPPING E-CORMERCE WEB APPLICATION

(10-2024 - 01/2025)

Customer	PERSONAL PROJECT	
Description	Designed and deployed a microservices-based e-commerce platform focusing on Catalog, Basket, Discount, and Ordering services, ensuring scalability, maintainability, and high performance.	
Team size	4	
My position	Fullstack Developer	
My responsibilities	 Built microservices for core modules (Catalog, Basket, Discount, Ordering) using .NET Implemented YARP API Gateway for traffic routing and microservices management. Integrated asynchronous messaging with MassTransit and RabbitMQ for event-driven communication. Applied CQRS pattern with MediatR to separate read/write operations Optimized Basket service using Redis caching, reducing database load and improving response time. Integrated gRPC for efficient, high-performance communication with the Discount service. Containerized services using Docker and orchestrated deployments with Docker Compose. Ensured secure version control and streamlined team collaboration via Git. 	
Technologies used	ASP.NET Core, Razor Pages, PostgreSQL, SQL Server, Redis, RabbitMQ, YARP, gRPC, Docker, Git Link Project: https://github.com/hnhthdng/EshopMicroservices	

FPT DORMITORY MANAGEMENT WEB APPICATION

(5/2024 - 8/2024)

Customer	PET PROJECT - FPT University
Description	Developed a student registration, room allocation, and booking system using a RESTful API with ASP.NET Core, ensuring secure transactions and efficient backend management.
Team size	4
My position	Backend Developer
My responsibilities	 Built a RESTful API for student registration, room allocation, and booking management using ASP.NET Core. Optimized database interactions with Entity Framework and LINQ for better performance. Implemented role-based authentication and authorization using ASP.NET Identity. Integrated VNPAY for secure online payment processing. Collaborated closely with front-end developers to ensure smooth API integration with React. Participated in code reviews to uphold code quality, maintainability, and documentation standards.
Technologies used	React, ASP.NET Core API, SQL Server, Entity Framework, LINQ, Git, VNPAY Link Project: https://github.com/hnhthdng/FPTDormitory