HUYNH THAI DUONG

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OBJECTIVE

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

Short-term: I aim to strengthen my database expertise, expand my cloud knowledge, implement robust CI/CD practices, and deepen my understanding of microservices architecture.

Long-term: I aspire to become a Backend Architect, designing complex systems, guiding technical strategy, and leading development teams to deliver impactful solutions.

EDUCATION

FPT UNIVERSITY
09/2021 - 05/2025

BSc Software Engineering

- **GPA**: 3.3/4.0
- **English**: B2-C1
- **Japanese**: A2
- **Relevant Courses**: Object Oriented Programming, Data Structure and Algorithms, Web Design, Operating Systems, Computer Networks, Database Systems

WORK EXPERIENCE

FPT SOFTWARE
12/2023 - 04/2024

Backend Developer

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
09/2022 - 12/2023

IT Support Collaborator

- 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)

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	1
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