

Duc Cong Do

Backend Developer | .NET

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Summary

As a fourth-year IT student with 5 months of hands-on experience in **.NET development**, I am passionate about backend technologies and building scalable, efficient systems. My experience with **ASP.NET Core, Entity Framework, and OracleDB** has enhanced my ability to develop and maintain robust applications. I excel in environments that challenge me to solve complex problems and continuously improve code performance. Eager to apply my skills to real-world projects, I am excited about the opportunity to contribute to backend systems that drive impactful results.

Experience



HACOM

124 Minh Khai - Minh Khai Ward - Hai Ba Trung District - Hanoi City

Backend Developer Intern

06/2024 - Present

- Participated in the design of the database structure to enhance data integrity and streamline operations.
- Built RESTful APIs using **C#/.NET and ASP.NET Core** framework, supporting efficient data processing for various backend modules, including **Stock Receipt/Release, Inventory Management, Delivery, Inspection, and Warranty**.
- Designed and implemented a **caching mechanism** that reduced API response time by 40%, resulting in a better user experience.
- Engaged in **data synchronization processes**, ensuring accurate and timely updates across multiple systems.
- Integrated **Apache Kafka** for real-time event streaming, improving data throughput and system scalability by 30%.

Skills

Languages: C#, PL/SQL, HTML/CSS, Javascript (ReactJS).

Technologies/Frameworks: ASP.NET, REST.

Databases: Oracle Database, SQL Server.

Tools: Visual Studio, Git, Docker.

Architecture: Monolith, Microservices.

Projects

E-Commerce (Microservices Architecture)

Link: <https://github.com/congyaki/EShopMicroservices.git>

07/2024 - Present

Developed an e-commerce system using .NET 6 and ASP.NET Core with a microservices architecture. Implemented key modules including Product Catalog, Basket, Discount, and Ordering microservices, integrating NoSQL (PostgreSQL, Redis) and relational databases (SQLite, SQL Server). Utilized RabbitMQ for event-driven communication and gRPC for inter-service sync. Built an API Gateway using Yarp and followed DDD, CQRS, and Clean Architecture principles. Applied SOLID principles, design patterns, and containerization with Docker and Docker Compose.

Medical Appointment Booking

Link: https://github.com/congyaki/Medical_Appointment_Booking_Web.git

03/2024 - 05/2024

Developed a comprehensive online appointment booking system for a private hospital using .NET 6, and ASP.NET Core for the backend, ReactJS for the frontend, and SQL Server for data management. The platform supports efficient patient management, appointment scheduling, doctor management, and real-time tracking of medical consultations. It includes features for generating detailed reports and managing medical documents, enhancing patient-doctor interaction and improving the overall efficiency of healthcare services.

Education

Dai Nam University

Bachelor's Degree Candidate in Information Technology | GPA Present: **3.54** / 4.0

2021 - 2025