

Loc Nguyen

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Summary

Backend Engineer with 5+ years of experience in building high-performance Web API platforms and enterprise systems using .NET Core and SQL Server. Proven track record in optimizing database performance (boosted by 40%) and integrating disparate backend systems. Currently expanding skillset in System Design, Cloud Native (DevOps), and AI Integration to drive digital transformation.

Skills

- **Programming Languages:** C#, JavaScript, SQL.
- **Frameworks & Libraries:** .NET Framework/Core, Web API, ExpressJS.
- **Databases:** SQL Server (Advanced Performance Tuning, Indexing, Stored Procedures), Redis.
- **Cloud Platforms:** Azure (Deployment & Management), AWS (Intermediate), GCP (Hands-on Practice).
- **System & Architecture:** Microservices Principles, Clean Architecture, RabbitMQ (Message Queue), System Design.
- **DevOps & Infrastructure:** Docker, Kubernetes, Rancher, Portainer.
- **CI/CD & Automation:** Jenkins, GitLab, Github action.
- **Monitoring & Testing Tools:** Prometheus, Postman.
- **Methodologies:** Agile/Scrum, CI/CD, API Testing.
- **Others:** Semantic Kernel.

Experience

Software Engineer

Think Axis Solutions – Bandar Seri Begawan (Remote)

January 2020 – May 2025

1. Led a team of 3–5 developers to deliver high-quality web API systems in C#/.NET.
2. Increased report performance by 40% through advanced indexing and query optimization.
3. Reduced maintenance costs by 15% via proactive architecture improvements.
4. Analyzed complex business requirements and translated them into technical specifications for the development team.

Visiting Lecturer

Ho Chi Minh City (Freelancer)

October 2023 – Present

1. Delivered lectures and hands-on labs on JavaScript frameworks, unit testing, integration testing, and end-to-end testing to undergraduate and graduate students.
2. Developed course materials aligned with industry best practices, emphasizing test-driven development and agile methodologies.
3. Mentored students on applying testing frameworks and debugging techniques, fostering a quality-first mindset.

Projects

SmartDocs – Enterprise Document Management System (Self-initiated R&D)

Tech stacks: .NET 8, RabbitMQ, Docker, SQL Server, Redis.

1. Designed and developed a Distributed System using Clean Architecture.
2. Implemented RabbitMQ to handle asynchronous document processing, decoupling the API from heavy workloads.
3. Integrated Google Cloud Storage for scalable file management and JWT Token Rotation for bank-grade security.
4. Currently integrating AI (Semantic Kernel) for RAG (Retrieval-Augmented Generation) to enable "Chat with PDF" features.

Education

Master of Science in Computer Software Engineering - FPT University, Ho Chi Minh City

Graduated: May 2023

Capstone Project: Gateway solution for providing IoT connectivity

Bachelor of Science in Computer Software Engineering - FPT University, Ho Chi Minh City

Graduated: April 2020

Capstone Project: Brunei Startup Portal

Languages

1. **English:** Professional working proficiency