

NGUYEN VAN TIEN

Software Engineer

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SUMMARY

Results-driven Software Engineer with 3 years of experience in C# .NET development. Adept at problem-solving and logical thinking, contributing to the development of scalable and high-performance applications. Passionate about optimizing code and solving complex problems. Experienced in full-stack development and modern software engineering practices. I am **able to communicate effectively in English**, conveying ideas clearly and professionally, even if not with full fluency.

TECHNICAL SKILLS

- **Language & Framework:** C#, .NET Core, Entity Framework, LINQ
- **Databases:** SQL Server, PostgreSQL
- **Front-end:** JavaScript, React, jQuery, HTML, CSS
- **Software Development:** REST API, JWT, Clean Architecture
- **Tools & Methodologies:** Git, CI/CD, Agile, TDD, Unit Testing, Docker, Containerization, Agile

PROFESSIONAL EXPERIENCE

Nexcel Solutions

May 2022 - Present

Settlement Hub Project

- **Developed and optimized high-performance .NET applications** used by thousands of users.
- Designed and implemented RESTful APIs with ASP.NET Core for seamless system integrations.
- Collaborated **JWT authentication to improve security** in web applications.
- Designed and developed a **high-performance, scalable, and high-availability** web application capable of processing massive datasets efficiently.
- **Boosted system performance by 20%** through the implementation of two-pointer rendering techniques and optimizing data structures and algorithms for critical workflows.
- Spearheaded the migration of legacy systems (.NET Framework and jQuery) to a modern tech stack using **.NET Core and React**, enhancing application scalability and maintainability.
- Conducted **comprehensive code reviews, fostering adherence** to industry best **practices and significantly improving code quality** across teams.
- Leveraged **Docker** for containerization and Portainer for container management to streamline application deployment.
- Built **robust unit tests using xUnit and nUnit**, incorporating frameworks like Substitute, resulting in 40% faster debugging and deployment cycles.
- **Tech Stack & Tools:** .NET Core, .NET Framework, React, jQuery, SQL, Docker, GitLab CI/CD, Jenkins, SonarQube, xUnit, nUnit:

GamingPlatform Service

- **Designed and developed a high-performance**, scalable gaming platform API from the ground up using .NET 8 Minimal API and SQL Server.
- Implemented a **secure API key authentication** system with **automated key rotation and real-time email notifications for administrators**.
- Defined **robust data constraints** at both the database and API levels, ensuring data integrity and delivering clear, user-friendly error messages.
- Optimized for **low-latency responses and high concurrency**, ensuring efficient handling of large-scale traffic.
- **Developed comprehensive unit tests**, improving code reliability, maintainability, and early bug detection.
- Containerized the application with **Docker**, streamlining deployment, scalability, and CI/CD integration.
- **Tech Stack & Tools:** .NET 8, Minimal API, SQL Server, Docker, Unit Testing (xUnit/NUnit), Email Notifications

Gameloft Vietnam

Feb 2022 - Apr 2022

Game Developer Intern

- Gained experience in game development with C# and the Unity Engine. Implemented gameplay mechanics through scripting, designed concept art, and managed in-game UI elements such as score and timer.
- Engaged in cross-cultural team initiatives, refining communication strategies that led to a 25% reduction in misunderstandings during project execution, ultimately increasing overall project efficiency and team productivity.

Personal Project

Sep 2024 - Feb 2025

- Developed Ordering Microservice: Designed and implemented the Ordering API using **ASP.NET Core 8**, following a clean architecture approach using **Clean Architecture**.
- Implemented **CQRS & MediatR** Pattern: Separated read and write concerns using CQRS and leveraged MediatR for handling commands and queries efficiently.
- **Integrated Event-Driven Communication:** Published and consumed events via **RabbitMQ** with **MassTransit**, ensuring reliable order processing and service decoupling.
- **Utilized Entity Framework Core with PostgreSQL:** **Designed and optimized database schema** for order management using EF Core with PostgreSQL as the database.
- **Containerized & Deployed with Docker:** Packaged the Ordering API as a Docker container and deployed it in a Kubernetes environment.
- **Tech Stack & Tools:** .NET Core API 8, CQRS, PostgreSQL, Entity Framework Core, RabbitMQ, Docker

EDUCATION & CERTIFICATIONS

Bachelor of Engineering
Ho Chi Minh University of Technology (Bach Khoa)
Computer Science

Test of English for International Communication (700)
Able to communicate in English effectively

AWS Certified Solutions Architect - Associate

EXTRACURRICULAR ACTIVITIES

Solving LeetCode

Reading Book

Solving Side Project