Nguyen Hoang Nguyen

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OBJECTIVE

A highly motivated and detail-oriented Software Engineering student with a strong foundation in Back-end development using ASP.NET Core. Seeking a challenging internship or junior developer position to apply my skills in building scalable web applications, learn from experienced professionals, and contribute to innovative projects.

SKILLS SUMMARY

- **Languages**: C#, SQL (T-SQL), TypeScript, JavaScript, HTML5, SCSS/CSS3
- **Primary Skills**: ASP.NET Core, .NET MAUI, Entity Framework Core, SQL Server, RESTful APIs
- **Secondary Skills**: SignalR, Docker, Google Cloud Storage (GCS), Angular, CI/CD basics
- **Software Architecture**: Clean Architecture, MVVM, SOLID Principles, Dependency Injection, Asynchronous Programming, Design Patterns

EXPERIENCE

- **MOR Software** — Tan Binh, Ho Chi Minh City
  Back-end Developer Intern — *November 2024 - February 2025*
  - **API Development**: Optimized RESTful APIs using ASP.NET Core for high-performance web services. Refactored services for better performance and maintainability.
  - **Unit Testing**: Wrote unit tests using xUnit and actively participated in code review activity.
  - **Database Management**: Worked with SQL Server, including stored procedures and views, to support complex data retrieval.

PROJECTS

- **Bookstore Management System - API & MAUI Client** — Personal Project
  Full-stack Developer — *February 2025 - July 2025*
  - **Scalable Cloud & E-commerce API**: Architected and built a RESTful API in ASP.NET Core 8 with a complete e-commerce workflow, including inventory management, order processing, promotions, and a multi-role (Customer, Staff, Admin) JWT-based authorization system.
  - **Cross-Platform Mobile Application**: Delivered a feature-rich, cross-platform mobile app using .NET MAUI and the MVVM pattern, providing a feature-rich experience for customers (browsing, cart, checkout) and a dedicated management panel for staff and admins.
  - **Cloud Storage & Image Processing**: Integrated Google Cloud Storage (GCS) for scalable image hosting. Implemented server-side logic to automatically resize uploaded images into multiple formats (thumbnail, medium), optimizing performance and bandwidth usage for the mobile client.
  - **Tech stack**: ASP.NET Core 8, .NET MAUI, Entity Framework Core, SQL Server, Google Cloud Storage, JWT Authentication, RESTful API, MVVM Pattern

  GitHub: API Repository — Mobile App Repository

- **ChatApp - Real-time Chat Application with AI Assistant** — Personal Project
  Full-stack Developer — *May 2025 - July 2025*
  - **Full-stack Real-time Architecture**: Developed a complete SPA featuring real-time messaging, user presence indicators, and lazy-loaded history using ASP.NET Core SignalR for the backend and an Angular 17+ client.
  - **OAuth 2.0 & JWT Security**: Engineered a secure authentication flow by integrating Google OAuth 2.0. The API validates external identities and issues its own stateless JWTs for authorizing subsequent requests, protected by a custom HttpInterceptor in Angular.
  - **Third-Party API Integration**: Successfully integrated the OpenAI API to provide an in-chat AI assistant, demonstrating the ability to handle asynchronous communication with external, token-based services.
  - **Tech stack**: ASP.NET Core SignalR, Angular 17+, Google OAuth 2.0, JWT, OpenAI API, SQL Server, Entity Framework Core

  GitHub: Repository

EDUCATION

- **Academy of Cryptography Techniques** — Ho Chi Minh, Viet Nam
  Bachelor of Engineering in Information Technology; GPA: 3.38/4 — *August 2021 - September 2025*
  - Graduated with Second Highest Honors (9.2/10) – Capstone Project: Development of an efficient bookstore management mobile application on the .NET MAUI platform

CERTIFICATIONS

- **Google AI Essentials**: Coursera Certificate - XM4SPDCWWTT5
- **Google IT Support Professional Certificate**: Coursera Specialization - GADKFCWMGZDC