

HUYNH MINH TRI

BACK-END DEVELOPER - INTER

huynhminhtri1109@gmail.com | 0982294937 | District Go Vap, Ho Chi Minh City, Vietnam

[github.com](#) | [linkedin.com](#) | [portfolio.dev](#)

SUMMARY

Entry-level software engineer with real-world experience developing fullstack web and desktop apps for academic and family business use. Skilled in React, Node.js, and ASP.NET; eager to join a team where I can grow technically and contribute to impactful software products.

PROJECTS

Personal Health Management

March 2025 - July 2025

Role: Team Lead (3 members) | Fullstack Developer | 3D Designer.

Tech Stack: React, Tailwind CSS, Node.js, Express, MongoDB Atlas, Cloudflare, Blender, Three.js, Ollama (LLaMA3).

A fullstack web application designed to help users manage their personal health through an interactive 3D interface and gamified health metrics. The platform provides exercise and nutrition information, and generates personalized workout plans using LLaMA3.

- Fully responsible for backend architecture, deployment, and maintenance
 - Designed and implemented the MongoDB Atlas schema to enhance data security and scalability. Optimized complex database queries, reducing data retrieval time by 30% and improving overall API responsiveness.
 - Built secure RESTful APIs using Express.js to support user authentication, session tracking, and workout data management.
 - Implemented JWT-based authentication and role-based authorization with session control.
 - Utilized Cloudflare for media caching and dynamic image reloading, which improved frontend loading time and reduced backend memory usage.
 - Deployed automated email reminders using Agenda.js to notify users of their personalized workout schedules.
- Integrated and fine-tuned LLaMA3 using Retrieval-Augmented Generation (RAG) to improve the accuracy and contextual relevance of AI-generated recommendations by 50%, tailored to user health metrics and goals.
- Designed anatomical 3D body models in Blender, rendered and integrated them into the application using Three.js to enhance user engagement through intuitive, gamified health tracking.
- Implemented real-time interactivity that allows users to click on specific muscle groups to explore related exercises and track progress visually.

Github: Source code available upon request

Link: [Report](#) | [Demo](#)

Startup Investment Support Platform

March 2025 - April 2025

Role: Team Lead (4 members) | Fullstack Developer.

Tech Stack: ASP.NET, SignalR, HTML, Bootstrap, JavaScript, SQL Server.

Led the development of a web-based platform designed to connect investors with startup founders, streamlining the discovery, communication by chat real-time, and agreement-signing process for investment opportunities.

- Designed and implemented a responsive, cross-browser user interface compatible with both Firefox Developer Edition and Google Chrome, ensuring smooth usability across multiple devices.
- Architected and developed a scalable backend system using ASP.NET, structured for reusability and future feature expansion.
 - Implemented secure user authentication and role-based authorization using ASP.NET Identity.
 - Integrated SignalR to enable real-time chat, instant notifications, and live investment portfolio updates, facilitating efficient communication between investors and founders.
 - Optimized complex database queries, reducing data retrieval time by 40% and improving overall backend performance.

Github: github.com/QuanLyStartup

Link: [Report](#)

SKILLS

Technical Skills:

- Languages: C#, JavaScript, TypeScript, Python, PHP
- Backend: ASP.NET Core, Node.js, RESTful APIs.
- Frontend: React, Bootstrap, Tailwind CSS.
- Database: SQL Server, MongoDB (Atlas).
- Cloud & Real-time: SignalR, WebSocket, Google Drive API, Microsoft Graph, Cloudflare.
- Tools: Git, Postman, Figma, n8n, Blender.

Soft Skills: Leadership, Problem-solving, Time management, Teamwork, Communication.

EDUCATION

Ho Chi Minh City University of Technology (HUTECH)

2021 – 2026 (Expected)

Major: Information Technology

GPA: 3.57 / 4.00

Relevant Coursework: Data Structures, Algorithms, Web Development, Software Engineering, Machine Learning.

Activities: Database Design Champion 2024, HUTECH Net Cracking Challenges 2024, AWS Data Platform Workshop, Agile & Data Analytics Seminars, Volleyball Tournament.

ADDITIONAL INFORMATION

Languages: Vietnamese (Native), English (B2).

Interests: 3D modeling, open-source, volleyball & gym.