

Tran Huy Hoang

Software Engineer

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Summary

I engineer end-to-end web systems with a focus on reliability and clean architecture. While .NET is my primary backend foundation, I adapt seamlessly across full-stack technologies—from modern React ecosystems to containerized cloud infrastructures. I care about explicit layer boundaries, typed contracts, and scalable documentation.

Education & Awards

2021 – 2026
Quy Nhon City

FPT University (Quy Nhon AI Campus),
BACHELOR OF INFORMATION TECHNOLOGY

GPA: 8.66 / 10.0

Awards:

- 30% Entrance Scholarship to FPT University
- 1st prize in the contest "Khai Xuan Ky Hoi 2024"
- Potential Prize at Hackathon F-Runner Season 2 (2025)

Skills & Tech Stack

Backend — .NET Web API, C#, C, Java, Clean Architecture.

Frontend — HTML, CSS, JS, Next.js, React, TypeScript.

Identity & Data — SQL Server, PostgreSQL, MySQL, Redis, Clerk (RBAC), Notion API.

Tools & Workflow — Git/GitHub, Docker, Azure Service, Jira (Agile/Scrum), CI/CD (GitHub Actions), AI-assisted Coding (GitHub Copilot, Cursor, Claude).

Professional Experience

09/2024 – 12/2024
Quy Nhon, Vietnam

FPT Software Quy Nhon, Backend .NET Intern

- Shadowed senior engineers and studied the enterprise system architecture of the large-scale corporate project (HCS4).
- Gained practical exposure to Agile/Scrum workflows, CI/CD pipelines, and professional code review processes in a high-compliance enterprise environment.

Projects

05/2026 – 08/2026

GoldHoang System, Personal platform

- Designed and shipped a decoupled fullstack portfolio platform using .NET Web API and Next.js, leveraging Clean Architecture and CQRS patterns to maintain explicit layer boundaries and optimize query performance.
- Integrated Clerk auth, Admin RBAC, Notion-backed project sync, and an interactive AI chat widget.
- Applied production patterns (ISR/BFF, Zod) and owned the full delivery cycle from architecture to deployment.

09/2025 – 01/2026

AI-Powered SmartHome System, Capstone project | Backend Engineer

- Developed a scalable .NET Web API and SQL Server backend to power real-time device control, telemetry monitoring, and AI event processing.
- Integrated JWT/RBAC, PayOS, dynamic JSON device states, and background services for hardware-client data sync.
- Gained hands-on expertise in IoT database design and event-driven architecture, delivering a low-latency, production-ready backend system.