



# NGUYEN THANH AN

Fullstack Developer

## Profile

Developer specializing in building scalable and reliable systems. Experienced in developing real-time applications and integrating AI features into applications.

Focused on system design and choosing the right solutions for different problems, with an emphasis on performance, scalability, and long-term maintainability. Proactive in learning, continuously improving systems, and leveraging appropriate tools to enhance development efficiency.

## Contact

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fullstackthinker.com

## Education

2021 - 2023

FPT POLYTECHNIC

Computer Programmer

## Skills

**Backend:** NestJS, ASP.NET Core, Node.js (Express), FastAPI, PHP

**Database:** PostgreSQL, MongoDB, MSSQL, Redis

**Architecture:** Microservices, Monorepo (pnpm), Clean Architecture (.NET)

**Communication:** RESTful API, WebSocket (SignalR),

Message Queue (RabbitMQ)

**AI Integration:** OpenAI API (LLM), Prompt Customization, TTS, STT, Image Generation

**DevOps (basic):** CI/CD, Docker

**Cloud & Storage:** Object Storage (S3-compatible: Cloudflare R2, MinIO)

**Frontend:** React, Next.js, Astro

## Experience

### Software Engineer

Nov 2024 - Apr 2026

#### ZENERGY SOFTWARE TECHNOLOGY COMPANY LIMITED

- Designed and developed a custom AI chat system using ASP.NET Core (.NET 8), integrating OpenAI API with support for multi-agent workflows, TTS, STT, and image generation
- Built backend services for enterprise chat and chat management systems, ensuring scalability and real-time processing
- Designed system architecture following microservices principles, improving scalability and maintainability
- Implemented multi-tenant architecture with isolated databases per organization
- Developed and optimized RESTful APIs and real-time features using WebSocket
- Designed and managed database schemas for high-performance and scalable systems
- Collaborated with frontend team (Next.js) to deliver APIs and support UI integration
- Participated in system analysis, architecture design, and technology selection
- Developed media processing tools using Python (FFmpeg), building automated pipelines for backend and AI integration
- Proactively researched and applied new technologies to improve system performance and development efficiency

### Backend Developer

Feb 2024 - Jun 2024

#### 5S ENTERPRISE SOFTWARE SOLUTIONS COMPANY LIMITED

- Developed APIs using ASP.NET Core for web and mobile applications
- Maintained and optimized SQL/T-SQL queries for system performance
- Write apis that return json for app and web using .Net Core and .Net Framework
- Encrypt data by encoding the returned json data and parsing the stringify data
- Technology used: Asp.Net, .Net Framework, Web Application, Mssql

### Fullstack Developer ( Remote )

May 2023 - Nov 2023

#### HPC KIEN CUONG JOINT STOCK COMPANY

- Develop a warehouse management application for the company's cold storage branch
- Develop API for warehouse management app with NodeJS
- Push the app to CH Play and App Store for use.
- Technology used: React Native, Context, Axios, React
- Navigation, Express, Mssql