






TRAN QUANG THONG

SOFTWARE ENGINEER

Contact

-  21/11/2001
-  0367262415
-  quangthong211101@gmail.com
-  github.com/thong21112001
-  quang-thong-tran-4885b3238

Skills

Backend: NestJS, Node.js, ASP.NET Core, .NET 8, Entity Framework Core, CQRS, Repository & Unit of Work, Clean Architecture.

Languages: TypeScript, C#, JavaScript, Python, Java, C/C++.

Databases: MongoDB, Mongoose, Aggregation Pipelines, SQL Server, MySQL.

Integrations: GHN API, Viettel Post API, ZaloPay, Firebase Authentication, Firebase Storage, AWS S3...

Tools: Redis, Swagger, Docker, Git, GitLab, GitHub, IIS, PM2.

Others: RESTful APIs, JWT Authentication, RBAC, Validation, Logging, Error Handling, Performance Optimization.

Education

Bachelor of Software Engineering

08/2019 - 07/2023

Duy Tan University

GPA: 3.64/4.0

Certifications

JLPT N5 (21/10/2023)

TOEIC 500

Interests

- Reading, traveling, exploring cultures.

Professional Summary

Backend Engineer with hands-on experience designing and developing production-grade RESTful APIs using NestJS, TypeScript, .NET, MongoDB, and SQL Server. Experienced in building e-commerce, logistics, and digital transformation systems with authentication, role-based access control, database optimization, third-party integrations, and clean architecture.

Strong focus on performance, maintainability, secure coding, error handling, and collaboration with frontend/mobile teams to deliver reliable backend services.

Work Experience

Backend Developer

HIFIVEPLUS | 11/2025 - Present

- Designed and developed modular RESTful APIs using NestJS, TypeScript, and MongoDB for web and mobile e-commerce applications.
- Built order management features covering cart, buy-now flow, admin order creation, voucher logic, dynamic pricing, shipping providers, inventory updates, and ZaloPay integration.
- Optimized MongoDB queries using Aggregation Pipelines to aggregate complex data from multiple collections and improve API response time.
- Refactored backend services following DRY and clean architecture principles, reducing code duplication by 40%.
- Implemented validation, error handling, logging, and retry mechanisms for third-party integrations including GHN and Viettel Post.
- Collaborated with frontend and mobile teams to define API contracts and maintain data consistency across platforms.

.NET Developer

Khang Thi Group | 11/2024 - 11/2025

- Developed and maintained web systems for private-sector clients and provincial e-Government platforms in Quang Tri, Quang Ngai, and Dak Lak.
- Built modules for citizen registration, online form submission, document tracking, admin dashboards, and reporting features.
- Engineered real-time truck scale management features for logistics operations using .NET, SQL Server, and clean architecture.
- Delivered iMenu, a digital menu and smart ordering solution used by 50+ F&B businesses nationwide.
- Applied role-based authorization, secure coding practices, reusable architecture, and scalable design in an Agile environment.

IT Intern

Vinacen | 02/2023 - 05/2023

- Built responsive website UI and supported feature development using HTML, CSS, Bootstrap, jQuery, and AJAX.
- Assisted with testing, documentation, and implementation of internal features.

Projects

E-commerce Management System

11/2025 - Present

Organization: Hifiveplus

Tech stack: NestJS, TypeScript, MongoDB, Redis, AWS S3, Swagger.

Description:

- Developed backend features for order lifecycle management, multi-carrier shipping, voucher and pricing logic, inventory updates, and payment integration.
- Optimized complex MongoDB aggregation queries and improved maintainability through reusable service layers.

Link:

- HappyCo, Vmix, Vinabill.

Provincial Digital Transformation Platform

11/2024 - 09/2025

Organization: Khang Thi Group

Tech stack: ASP.NET Core, C#, SQL Server, Bootstrap, jQuery, Identity.

Description:

- Participated in the development and deployment of **digital public service portals** for multiple provinces (*Quang Tri, Quang Ngai, Dak Lak*), aligning with Vietnam's **National Digital Transformation roadmap 2025**.
- Built modules for **e-citizen registration, online form submission, document tracking, and admin dashboards**.
- Applied **Clean Architecture** and **role-based authorization** to ensure long-term maintainability and data security for sensitive government operations.
- Contributed to performance optimization for thousands of concurrent users (e.g., batch submissions and export features).

This project exposed me to high-stakes deployment and security constraints typical of government IT systems.

iMenu

7/2025 - 11/2025

Digital Menu & Smart Ordering

Tech: .NET 8, C#, Razor Pages, EF Core, LINQ, CQRS, Repository & UoW, Clean Architecture; Bootstrap 5, DataTables, jQuery, AJAX; SQL Server (EF Migrations).

Security: ASP.NET Identity, role-based authorization, anti-forgery token.

Integrations: Firebase Authentication (OTP SMS), Firebase Storage (images), REST API (HttpClient), Excel Import/Export.

Deploy: IIS (imenu.space).

Features: Admin data management, sales reports, real-time table & order updates, responsive UI, offloading image storage to Firebase.

Link: menudiantu.com