TONG NHA VY

.NET Backend Developer
(Fresher)

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CAREER OBJECTIVES

Aspiring backend developer with strong foundations in .NET, Clean Architecture, and scalable system design. I aim to continuously sharpen my technical expertise, contribute to high-quality software solutions, and grow into a Senior Backend Developer within the next 3–5 years by taking on challenging projects and collaborating in dynamic teams.

LANGUAGES

English – B1 (Internal)

SKILLS

Technical: C#, ASP.NET Core, ASP.NET Core API, ASP.NET Framework, EF, LINQ.
RESTs API, gRPC.
SOLID, Clean Architecture, CQRS pattern.

DBMS: SQL Server, MySQL.

Tools: Git, GitHub, Postman.

Others: C/C++, PHP, Laravel, VueJs, Unit Testing (basic), Python.

EXPERIENCE

MK solar — 2/2025 – 5/2025

Python Backend Intern

- Built and optimized CNN-based models (ResNet50, EfficientNet, MobileNetV2) for lung disease diagnosis (90%+ accuracy).
- Integrated the best model into a Flask web app with real-time feedback and diagnostic history.

365 Ecosystem Joint Stock Company (365 EJSC) — 5/2024 – 12/2024

.NET Backend Intern

- Developed internal APIs using **ASP.NET Core** + **EF Core** for user and transaction modules → improved response time.
- Implemented **Clean Architecture**, **DDD**, **CQRS** to separate layers and improve system scalability.
- Built a validation pipeline with **FluentValidation** for DTOs → reduced input errors and improved stability.
- Wrote **Unit Tests** for core services.
- Integrated **gRPC** for service-to-service communication → improved API performance compared to REST.
- Contributed to enhancing backend quality and ensuring on-time project delivery.

PROJECTS

Booking hotel website — 10/2024 – 12/2024

Project Description: An online hotel booking website where customers can search rooms by date, type, or price; make and cancel bookings; manage booking history; write reviews and read travel news. The Admin panel supports managing hotels, branches, rooms, bookings, users, comments, and reports. Built with ASP.NET Core MVC using a 3-layer architecture.

Tech stack: ASP.NET Core (MVC), C#, EF Core, LINQ, SQL Server, AutoMapper, jQuery, Bootstrap.

Team size: 2 → **Role:** Team Leader & Backend Developer.

Contributions:

- Designed 3-layer architecture (Data, Share, Web) and database schema with EF Core Code-First → ensured clear separation of layers and scalability.
- **Implemented backend logic** for booking, cancellation, order management, and booking history → supported complete booking workflows.
- Developed **Authentication & Authorization** using secure sessions and role-based access (Admin/User) → enforced access control.
- **Built CRUD** operations for hotels, branches, rooms, equipment, users, and news with EF Core + LINQ → standardized data operations.
- Applied **Repository Pattern** to separate data access from business logic (used Repository classes instead of calling DbContext directly in Controllers/Services) → improved maintainability, reduced duplicate code, and enabled easier Unit Testing.

- Used **Fluent API configurations** (configured entities in OnModelCreating, separated configuration files, combined with migrations) to define relationships and constraints, replacing DataAnnotations (attributes like [Required], [Key], [ForeignKey] inside Entities) → provided centralized, flexible management for larger projects.

- **Implemented AutoMapper** to map between Entities ↔ ViewModels/DTOs, instead of manual mapping → reduced boilerplate code and improved maintainability.

- Integrated Template + Bootstrap for the admin dashboard, with pagination and toast notifications (toastr/Notyf) → enhanced admin experience.

Demo: nhavy.id.vn - See demo & description in Portfolio section

GitHub: github.com/VzTong/BookingHotels

Movie Watching Website   3/2024 – 6/2024

Project Description: An online movie streaming website where users can browse movies by genre, search and view details, track episodes, and leave comments. The Admin panel provides management features such as movie CRUD operations, user and role management, and viewing system statistics. Built with ASP.NET Core MVC.

Tech stack: ASP.NET Core (MVC), C#, EF Core, LINQ, SQL Server, HTML, CSS, JavaScript, Bootstrap.

Role: Full-stack Developer.

Contributions:

- **Designed the database schema** with EF Core, including movies, users, genres, actors, studios, and many-to-many relationships (film-actor, film-genre), supporting complex data queries.

- **Implemented backend logic** for movie and user management (add, edit, soft delete, search, pagination), improving usability.

- **Secured login** with Cookie Authentication and **role-based authorization** (Admin/User) → full CRUD restricted to Admin.

- **Developed CRUD** operations for movies, users, actors, studios,… using EF Core + LINQ, standardizing data operations.

- **Manually mapped** Entities to ViewModels/DTOs, ensuring clear data transfer to the UI.

- **Built a responsive UI** with Bootstrap, HTML, CSS, JavaScript, making the website accessible across devices.

- **Added supporting features** like pagination (X.PagedList) and toast notifications (AspNetCoreHero.ToastNotification) for better user experience.

Demo: nhavy.id.vn - See demo & description in Portfolio section

GitHub: github.com/VzTong/Anime_Web

EDUCATION

Information technology – GPA: 3.7/4.0   **Nam Can Tho University (DNC), Vietnam** (2021 – 2025)