

Michael Abou Antoun

.NET Backend Developer | C# | ASP.NET Core Web API | RESTful APIs

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Summary

After a strong academic performance, I dove deeper into backend development, focusing on building RESTful APIs using ASP.NET Core Web API. I enjoy working with databases, designing systems through UML, and writing clean, structured code. Passionate about continuous learning and delivering reliable, high-quality software solutions that follow modern development practices.

Skills

Programming: C# (Advanced), Java, PHP, SQL

Backend & APIs: ASP.NET Core Web API, RESTful API Design, Entity Framework Core (LINQ), JWT Authentication, ASP.NET Core Identity

Databases: SQL Server, Oracle (PL/SQL)

Architecture & Patterns: Service Layer, Repository Pattern, DTOs & Validation, Dependency Injection, AutoMapper, Result Pattern, Options Pattern

Tools & Platforms: Git/GitHub, Visual Studio, Postman

Project Highlight

Hotel Listing API – ASP.NET Core Web API (C#, EF Core, SQL Server)

Developed a modular and scalable RESTful API for managing hotels, countries, and bookings using Clean Architecture principles. Designed structured controllers with Dependency Injection, Result Pattern, and clear separation of concerns for maintainability. Implemented the Options Pattern for type-safe configuration management at the service level and added ASP.NET Core Identity with JWT authentication and role-based access control, along with custom authorization filters for advanced request handling. Built CRUD operations with Entity Framework Core, leveraging tracked and no-tracked queries, bulk update methods, and indexes for optimized performance. Applied data annotations and custom validation to enforce business rules and ensure data integrity. Integrated pagination, filtering, and search for large datasets, ran SQL Server in Docker for reproducible environments, and optimized database operations for scalability. Planned enhancements include PATCH support, API versioning, structured logging, centralized error handling, rate limiting, response caching, automated testing, and cloud deployment. Future development will extend the system with room management and advanced booking logic to support real-world hotel operations.

GitHub Repository: github.com/michaelabouantoun/HotelListing.Api

Education

Bachelor's Degree in Computer Science

Lebanese University – Faculty of Sciences | 2022 – 2025

Graduated with strong academic performance, completing all exams in the first session.

Certifications

Udemy Certifications – 2025

- Ultimate ASP.NET Core Web API Development Guide – Trevor Williams (90% complete)
- C# Advanced Topics: Prepare for Technical Interviews – Mosh Hamedani

Languages

Arabic – Native | English – Fluent | French – Intermediate