# ALI ELSAYED

BACKEND .NET DEVELOPER

01008867656 • LinkedIn • Giza, Egypt

## PROFESSIONAL SUMMARY

Results-driven Mid-Level .NET Backend Developer with 3+ years of experience in backend development. Proficient in C#, ASP.NET Core, .NET 8, and RESTful Web API development, with practical experience building API-based applications and working with relational databases through Entity Framework Core. Experienced in applying layered architecture, authentication, request validation, and asynchronous programming to build maintainable backend solutions.

## TECHNICAL SKILLS

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| **Programming** | C#, OOP, Generics, Collections, LINQ, Exception Handling, Async/Await |
| **Backend** | ASP.NET Core Web API, MVC, RESTful APIs, Middleware, Dependency Injection, Validation |
| **Database & ORM** | SQL Server, Database Design, Joins, Stored Procedures, Indexes, Relationships, Entity Framework Core, Code First, Migrations |
| **Architecture & Security** | Clean Architecture, SOLID, Design Patterns, Repository Pattern, Authentication & Authorization, JWT |
| **Tools & Testing** | Git, GitHub, Postman, Swagger, Unit Testing, xUnit |

## SELECTED PROJECTS

### E-Commerce Management System API

- Developed RESTful API endpoints for product catalog and category management, customer accounts, shopping carts, and order processing.
- Implemented data access with Entity Framework Core and SQL Server, modeled related entities, and organized application responsibilities using a layered architecture.
- Applied JWT-based authentication and request validation to support protected API workflows and consistent input handling.

### Learning Management System API

- Built API functionality to manage courses, instructors, students, and course enrollment, including CRUD operations and role-aware access.
- Designed relational data structures and used LINQ queries to retrieve and manage connected records efficiently.
- Structured endpoints and application logic with validation to maintain a clear separation of responsibilities.

### Task Management System API

- Implemented project and task management workflows, including task details and status handling.
- Used async/await, reusable service logic, middleware, and structured validation to handle API requests consistently.
- Added unit tests with xUnit to verify key application behavior and support maintainability.

## EDUCATION

New Cairo Academy **2024**

Bachelor of Computer Science

Graduation Project: Excellent **GPA: 3.96**

## COURSES

- Programming Fundamentals — Developer Career (2021)
- Backend Development — Route Academy (2023)
- Frontend Development — Route Academy (2025)