

Adel Mahmoud Atiya

.NET Backend developer

adelmaahmoud@gmail.com | +201003290983 | October, Giza, Egypt

<https://www.linkedin.com/in/adel-maahmoud/> | <https://github.com/adelmahmoud55>

Military Status: Exempted

Career Objective

Fresh Computer Engineering graduate with a strong foundation in software development and a focused interest in backend API development using .NET technologies. Seeking an entry-level position as a .NET Backend Developer to apply my skills in C#, ASP.NET Core Web API, and database design. Committed to building scalable systems and continuously growing in a collaborative, agile environment.

Education

Faculty of Engineering Computer and Systems

2020 – 2025 | cairo, Egypt

Engineering department - Helwan University

Bachelor's degree(Good 68.5%)

Technical Skills

- Backend : C# | OOP | LINQ | Asp.net Core MVC & API
- Database & ORM : MSSQL Server | Entity Framework Core
- Architectural Patterns : Onion Architecture| Clean Architecture
- Design Patterns : Dependency Injection | Repository Pattern | Unit of Work Pattern | Specification Pattern | Factory Method
- SignalR | Redis | Clean Code | SOLID principles | Postman | Frontend Integration
- Frontend : HTML | CSS
- Version Control : Git GitHub

Graduation Project

QuickBuy System (E-Commerce)

Role: Designed and implemented the full backend architecture, handled authentication, payment integration, and caching logic.

Repo: <https://github.com/adelmahmoud55/API-Project.git> 

- Designed and developed a scalable RESTful E-Commerce API using ASP.NET Core, following the Onion Architecture for maintainability and testability.
- Implemented Generic Repository, Unit of Work, and Specification Pattern using the Code First approach with Entity Framework Core to ensure clean, flexible, and maintainable data access.
- Integrated JWT authentication and ASP.NET Core Identity to secure user operations and role management.
- Used Redis for efficient caching and temporary storage to optimize performance.
- Integrated Stripe Payment Gateway for secure and seamless payment processing.
- Developed a custom global middleware to handle exceptions uniformly and return standardized API responses, ensuring consistency and clarity across all endpoints.
- Applied best practices including SOLID principles, Clean Code, and separation of concerns throughout the architecture.
- Configured local deployment using Kestrel as the web server, customizing ports and launch profiles to streamline development and testing workflows.
- Technologies: C# | .NET 8 | ASP.NET Core Web API | Entity Framework Core | AutoMapper, | Redis | JWT | Stripe | SQL Server | Postman (API Testing)

Professional Experience

Software Engineering Intern

Telecom Egypt(WE)

[07/2022 - 08/2022]

- Gained hands-on experience in the Software Development Life Cycle (SDLC), including requirements gathering, design, implementation, and maintenance.
- Acquired fundamental knowledge of software engineering principles and best practices.
- Learned the basics of quality control and its importance in delivering reliable software solutions.
- Practiced software testing methodologies, including manual and automated testing techniques, to ensure the functionality and reliability of applications.
- Collaborated with a team of professionals to understand real-world software development workflows.

Software Testing Intern


Information Technology Institute (ITI)

[07/2023 - 09/2023]

- Gained comprehensive knowledge in software testing, including the creation and execution of test cases and preparation of detailed test reports.
- Learned the process of drafting Software Requirement Specification (SRS) documents, translating client and business requirements into technical documentation.
- Acquired foundational skills in automation testing using Java and Selenium, automating repetitive test scenarios to improve efficiency and accuracy.
- Practiced both manual and automated testing techniques to ensure the functionality, reliability, and performance of software applications.


Projects

TalabtAPI (OnlineCoffeeShop)

Repo: <https://github.com/adelmahmoud55/API-Project.git> 

- Designed and developed a scalable RESTful API using .NET Core , following Onion Architecture.
- Implemented Generic Repository and Unit of Work patterns to ensure efficient and clean data access.
- Implemented Specification pattern for flexible querying.
- Technologies Used: C# | Asp.Net Core Web API | EF Core | Automapper | Asp.Net Core Identity | JWT | Stripe Payment Gateway.

Examination System (Console Application)

Repo: <https://github.com/adelmahmoud55/Exam-Solution.git> 

- Developed an examination management system implementing OOP principles in C#.

MVC Project: Employee & Department Management System

Repo: <https://github.com/adelmahmoud55/MVC-Project.git> 

- Designed and developed a scalable full-stack web application using ASP.NET Core MVC, with clean 3-tier arch.
- Applied the MVC pattern with clear separation of concerns across Presentation, Business Logic, and Data Access layers.
- Implemented Generic Repository and Unit of Work patterns to ensure efficient and maintainable data access.
- Implemented the Specification pattern to enable flexible and reusable queries.
- Developed an Admin Area to manage departments, employees, roles, and categories seamlessly.
- Technologies Used: C# | ASP.NET Core MVC | EF Core | ASP.NET Core Identity | LINQ | MSSQL Server

Languages

- Arabic : Native
- English : Proficient

Courses

Back-End Diploma, Route IT Training Center

[04/2024 - 12/2024]