

Mostafa Ahmed

Software Engineer | Full-Stack .NET Developer

CONTACT

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PROFILE

AA passionate Full Stack .NET Developer with expertise in C#, ASP.NET, HTML, CSS, JavaScript, Bootstrap, and SQL Server. Skilled in both front-end and back-end development, delivering clean, efficient, and maintainable code. Always eager to learn, adapt, and grow within collaborative and dynamic team environments.

INTERNSHIPS / TRAININGS

Information Technology Institute (ITI)	Feb 2025 – Aug 2025
Full Stack .NET Web Development Track – Intensive Training Program (ITP), Zagazig	
Route Academy	Oct 2024 – Apr 2025
.Net Back End Web Development track.	

EDUCATION

Shubra Faculty of Engineering, Banha University	Sep 2019 – Jun 2024
Bachelor of Computer and Communications Engineering.	
Overall Grade: 3.52 / 4, ranked 5th in class based on cumulative degree.	
<u>Graduation Project</u> : E-Pharmacy System (GitHub – Collaborator Repo)	
Developed a web and mobile application for Benha University using Spring Boot, Flutter, and React to manage prescriptions, medicine dispensing, inventory, and user roles.	
▪ Technologies: Spring Boot, Spring Data JPA, RESTful API, PostgreSQL, Flutter, Bloc, Dart, React.js.	
▪ Role: Developed the mobile application using Flutter and contributed to the design of the PostgreSQL database	

TECHNICAL SKILLS

- **Programming Languages:** C# (Proficient), JavaScript, Java.
- **Backend Frameworks & Technologies:** ASP.NET Core, RESTful APIs, Entity Framework Core, SQL, SQL Server, SignalR.
- **Frameworks & Technologies:** ASP.NET Core, RESTful APIs, ASP.NET Identity, JWT Authentication, Entity Framework Core, SQL, SQL Server, SignalR, Redis, Stripe Gateway, xUnit, Entity Framework Core (InMemory).
- **Frontend Technologies:** Angular, Bootstrap, HTML, CSS
- **Tools & Technologies:** Git, GitHub, Postman, Swagger.
- **Core Concepts:** Algorithms, Data Structures, Object-Oriented Programming (OOP), SOLID Principles, Agile Methodologies.

PROJECTS

PetConnect – Pet Adoption & Management System (MVC: [GitHub](#) - API + Angular: [GitHub](#))

- Started with ASP.NET Core MVC, then rebuilt and extended the system to ASP.NET Core Web API with Angular, supporting four roles (Seller, Customer, Admin, Doctor) and delivering services like pet adoption booking, veterinary appointments, real-time chat, blog & support modules, and AI-based face detection.
- Implemented a full e-commerce system with Stripe payments, JWT-secured authentication, and Redis caching for performance optimization.
- Built a complete testing suite with 67 unit/integration tests, achieving 100% service-layer coverage for critical pet adoption and appointment booking workflows.

Technologies: ASP.NET Core Web API, Angular, EF Core, SQL Server, JWT, SignalR, AutoMapper, Bootstrap, Redis, Stripe Payment, Unit & Integration Testing, Repository & Unit of Work Pattern, 3-Tier Architecture.

Company Management System (MVC) ([GitHub](#))

- Built a structured ASP.NET Core MVC application with layered architecture to manage employees and departments, including authentication, role-based access, and image-upload-enabled CRUD operations.
- Technologies :**ASP.NET Core MVC, Entity Framework Core, SQL Server, ASP.NET Identity, Auto Mapper, Razor Views, Dependency Injection, Repository & Unit of Work Patterns.

Order Management System ([GitHub](#))

- Developed a RESTful ASP.NET Core Web API for managing products, orders, invoices, and customers with role-based access and JWT authentication. Implemented business logic like stock validation, tiered discounts, and email notifications.
- Technologies:** ASP.NET Core, Entity Framework Core, SQL Server, JWT, Identity, Swagger.

Languages

- Arabic — Native | English — Proficient