

# Ahmed Ashraf El-Sayed

## Full Stack .NET Developer

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### PROFESSIONAL SUMMARY

Full Stack .NET Developer with hands-on experience building and deploying web applications using ASP.NET Core and Angular. Skilled in designing RESTful APIs, applying Clean Architecture and CQRS, and implementing secure authentication with JWT and role-based access control. Experienced with Docker, Microsoft Azure, CI/CD pipelines, and event-driven microservices using RabbitMQ and MassTransit.

### TECHNICAL SKILLS

**Backend Development:** C#, ASP.NET Core, ASP.NET MVC, RESTful APIs, Entity Framework Core, LINQ

**Frontend Development:** Angular, TypeScript, JavaScript, Tailwind CSS, RxJS, AJAX

**Database Development:** SQL Server, T-SQL, Stored Procedures, Indexing, Transactions

**Architecture & Design:** Clean Architecture, CQRS (MediatR), Microservices, Event-Driven Architecture, FluentValidation, AutoMapper, Outbox Pattern

**Cloud, DevOps & Tools:** Microsoft Azure (App Service, Container Registry, SQL Database, Key Vault, Managed Identity), Docker, GitHub Actions, Azure DevOps, Bicep, Git, Swagger, Postman

**Distributed Systems:** RabbitMQ, MassTransit, Background Services

**Testing & Security:** xUnit, Moq, Integration Testing, JWT, Refresh Tokens, ASP.NET Identity, RBAC, OpenID Connect (OIDC)

### EXPERIENCE

#### Full Stack .NET Developer Intern

Apr 2026 – Jun 2026

Digital Business Systems (DBS MENA)

Cairo, Egypt – Onsite

- Developed and maintained a production-grade Product Management System using ASP.NET Core and Angular within an Agile development environment.
- Designed and secured 15+ RESTful API endpoints using Clean Architecture, CQRS (MediatR), Entity Framework Core, and SQL Server with role-based authorization.
- Implemented JWT authentication with refresh tokens, pagination, filtering, product lifecycle tracking, and audit history management.
- Built responsive Angular features using TypeScript, RxJS, Tailwind CSS, HTTP interceptors, and route guards to enhance user experience and application maintainability.

#### Backend Developer Intern

Sep 2025 – Jan 2026

Code Way

Remote

- Developed a Notifications Microservice for an online learning platform using ASP.NET Core and SQL Server, supporting 3 delivery channels: in-app, email, and push notifications.
- Implemented event-driven communication using RabbitMQ and MassTransit to consume and process domain events across distributed services with retry policies and dead-letter handling.
- Applied Clean Architecture, CQRS, Background Services, Outbox Pattern, FluentValidation, Entity Framework Core, and Stored Procedures to build scalable and maintainable backend services.
- Collaborated within a cross-functional Agile team using Git, GitHub, and Azure DevOps for sprint planning, code reviews, and continuous integration.

## PROJECTS

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### Hotel Booking API [GitHub](#) | [Swagger Demo](#)

Backend Developer | May 2025 – Aug 2025

ASP.NET Core 8, SQL Server, Clean Architecture, CQRS (MediatR), EF Core, JWT, Stripe, Docker, Azure, GitHub Actions

- Designed and built a modular hotel booking platform with 40+ RESTful API endpoints across 7 core modules: hotels, rooms, availability, bookings, reviews, payments, and offers using Clean Architecture and CQRS.
- Implemented JWT authentication, role-based access control, rate limiting, FluentValidation, global exception handling, and structured logging with Serilog and MediatR pipeline behaviors.
- Integrated Stripe payments with idempotent PaymentIntent creation and webhook processing to ensure reliable payment workflows and booking status synchronization.
- Provisioned Azure infrastructure using Bicep, including Azure App Service, Azure Container Registry, Azure SQL Database, Key Vault, and Application Insights.
- Built and automated a CI/CD pipeline using GitHub Actions to build Docker images, push them to Azure Container Registry, and deploy them to Azure App Service using OpenID Connect (OIDC) and managed identities.

### E-Commerce Platform [GitHub](#)

Full Stack Developer | Aug 2024 – Apr 2025

ASP.NET Core MVC, Entity Framework Core, SQL Server, ASP.NET Identity, JavaScript, Bootstrap, jQuery, AJAX, Chart.js

- Developed a full-stack e-commerce platform supporting product catalog management, shopping cart, order processing, wishlist functionality, and role-based administration.
- Implemented secure authentication and authorization using ASP.NET Identity with role-based access control for 3 user roles: administrators, managers, and customers.
- Enhanced user experience through AJAX-based interactions, partial page rendering, pagination, and dynamic filtering to reduce full-page reloads.
- Optimized data access using Entity Framework Core, LINQ, query optimization techniques, and server-side validation to improve application performance and maintainability.

## EDUCATION

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### Tanta University

Bachelor of Computer Science and Information Technology

Tanta, Egypt

Sep 2023 – May 2027 (Expected)

## LANGUAGES

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**Arabic:** Native | **English:** Professional Working Proficiency