Ahmed Mohamed Zakaria

Full Stack Developer .Net Angular

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🐙 github.com/ahmedzakaria2003   in linkedin.com/in/ahmed-zakaria-454aa8319   📄 My-Portfolio

🪪 PROFILE

Full Stack Developer focused on building fast and user-friendly web applications. Comfortable working on both front-end and back-end tasks, and always looking to grow and contribute to development teams. Experienced with modern technologies like Angular and ASP.NET Core, and always open to learning more. Motivated to deliver useful, real- world software that makes a difference.

💼 Education

Faculty of Computer Science and Artificial Intelligence, MTI University   Sep 2021 – June 2025
Grade : Very Good

📁 PROJECTS

Full-Stack Auction System
Source Code : github.com/ahmedzakaria2003/Auction-System

- Developed a full-stack real-time auction platform using .NET 8 (backend) and Angular 18 (frontend).

- Implemented real-time bidding with SignalR for instant updates and synchronized countdown timers.

- Integrated Stripe for secure deposits and payments.

- Built secure authentication with JWT + Refresh Tokens and added 2FA (OTP) for enhanced security.

- Applied Role-Based Access Control (Bidder, Seller, Admin) with Angular Auth Guard & Role Guard.

- Optimized performance using Lazy Loading, Redis caching, and Specification Pattern for efficient queries.

- Designed responsive and user-friendly UI with Bootstrap and Angular Standalone Components.

- Added Advanced Search & Filtering (sort by name/price, filter by auctions ending soon).

- Structured the system with Onion Architecture, Repository & Unit of Work Patterns, and AutoMapper for maintainability and scalability.
  ◦ **Technologies Used**: Angular 18, ASP.NET Core 8, SignalR, EF Core, Redis, Stripe, RxJS, Bootstrap, JWT & Refresh Tokens, 2FA (OTP), Repository & Unit of Work, Specification Pattern, Onion Architecture.

Full-Stack E-Commerce

Source Code : github.com/ahmedzakaria2003/fulstack_Ecommerce_dotnet_angular

- Developed a full-stack e-commerce application using .NET 8 (backend) and Angular12 (frontend), following Onion Architecture for clean separation of concerns.
- Implemented JWT-based authentication, wishlist/cart management, and a multi-step checkout process with secure Stripe integration.
- Integrated SQL Server for persistent storage and Redis for caching to enhance performance.
- Added advanced product filtering, search capabilities, and responsive design for a seamless user experience.
- Applied Repository, Unit of Work, and Specification patterns to maintain clean and scalable codebase.
- Enhanced frontend UX using custom middleware and toast notifications for real-time feedback.
  - **Technologies Used**: Angular12, ASP.NET Core 8, SQL Server, Redis, Entity Framework Core Stripe, JWT, Repository & Unit of Work Patterns, Onion Architecture.

Gunners Store – Themed Fan Merchandise

Source Code : github.com/ahmedzakaria2003/Gunners-Store-MVC

- Designed and developed a merchandise web app inspired by Arsenal FC, using ASP.NET Core MVC and SQL Server.
- Implemented role-based access control (RBAC) for Admin and Customer roles using ASP.NET Identity.
- Integrated Stripe for secure online payments.
- Built a responsive user interface using Bootstrap with reusable Partial Views.
- Applied a clean N-Tier architecture and Unit of Work pattern for scalability and maintainability.
- Enabled real-time order tracking.
  - **Technologies Used**: ASP.NET Core MVC, SQL Server, Bootstrap, Stripe, ASP.NET Identity, Unit of Work, N-Tier Architecture.

🔨 TECH STACK

- **Backend :** C# , .NET , Entity Framework Core , linq , RESTful APIs , MVC
- **Frontend** : html ,css , Bootstrap , jQuery , JavaScript , Angular 18 , ngx-bootstrap , RxJS , Font-Awesome , Toastr , ngx-spinner
- **Database**: SQL Server , Redis
- **Authentication** : .NET Core Identity, JWT
- **Payment Processing** : Stripe
- **Architectural Patterns :** Repository Pattern, Specification Pattern

🌍 LANGUAGE

Arabic — Native   **English** — Intermediate