Ahmed Mohamed Zakaria

Full Stack (.NET & Angular)

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Summary

Junior 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

Bachelor's Degree in Computer Science   **Sep 2021 – June 2025**

MTI University — Faculty of Computer Science & Artificial Intelligence

Experience

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Riyadh, Saudi Arabia   **September** 2025**– Present**

• Developed and maintained RESTful APIs for multiple eCommerce applications using .NET Core Web API.
• Optimized database performance through efficient SQL queries and indexes.
• Built core eCommerce features including product management, orders, payments, and user workflows.
• Applied Clean Architecture principles with CQRS to ensure a modular, scalable, and maintainable backend structure.

Projects

Full-Stack Real-Time Auction System   **GitHub Repo** ⬈

• Developed a real-time auction platform using .NET 8 and Angular 18 with instant bidding and countdown synchronization via SignalR.
• Implemented secure payments using Stripe and built advanced authentication with JWT, Refresh Tokens, and 2FA (OTP).
• Applied Role-Based Access Control (Bidder, Seller, Admin) using Angular Guards.
• Enhanced performance with Lazy Loading, Redis caching, and the Specification Pattern.
• Designed scalable architecture using Onion Architecture with Repository & Unit of Work.

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 System   **GitHub Repo** ⎘

• Developed a full-stack e-commerce platform using ASP.NET Core 8 (backend) and Angular 12 (frontend) with Onion Architecture for clean separation of concerns.
• Implemented JWT authentication, wishlist/cart management, and a multi-step checkout integrated with Stripe for secure payments.
• Used SQL Server for persistent storage and Redis caching to improve performance and reduce load times.
• Added advanced product filtering, search, and responsive UI for an enhanced shopping experience.
• Applied Repository, Unit of Work, and Specification patterns to deliver a scalable and maintainable codebase.

Technologies Used:
Angular 12, ASP.NET Core 8, SQL Server, Redis, Entity Framework Core, Stripe, JWT, Repository & Unit of Work, Specification Pattern, Onion Architecture.

Gunners Store – Themed Fan Merchandise   **GitHub Repo** ⎘

  • Designed and developed a themed merchandise web app using ASP.NET Core MVC and SQL Server.
  • Implemented Role-Based Access Control (Admin & Customer) with ASP.NET Identity.
  • Integrated Stripe for secure online payments.
  • Built a responsive UI using Bootstrap and reusable Partial Views.
  • Applied N-Tier Architecture with Unit of Work to ensure clean separation of concerns and scalability.

  Technologies Used:
  ASP.NET Core MVC, SQL Server, Bootstrap, Stripe, ASP.NET Identity, Unit of Work, N-Tier Architecture.

Technical Skills

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
Payment Processing : Stripe, Mada
Authentication : .NET Core Identity, JWT
Tools & Version Control : Git, GitHub
Architectural Patterns : Repository Pattern, Specification Pattern, CQRS Pattern

Languages

Arabic — Native   English — Intermediate