

Mohamed Ayman

Senior Software Developer | .NET & Angular

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PROFESSIONAL SUMMARY

Senior Software Developer with 4+ years of experience specializing in .NET Core microservices, RESTful APIs, gRPC services, and Angular. Proven track record of delivering enterprise-grade software including platforms serving 1M+ users across cloud (Azure/AWS) environments. Strong expertise in Clean Architecture, SOLID principles, DDD, and distributed systems with message brokers (RabbitMQ). Experienced in containerization (Docker), CI/CD pipelines, and Camunda BPM workflow orchestration. Skilled at designing scalable, secure, high-performance backend systems and collaborating with cross-functional teams. Experience working in government and regulated environments.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, C++	Backend: ASP.NET Core, Web API, RESTful APIs, gRPC, MVC, EF Core, Dapper, LINQ
Frontend: Angular, HTML5, CSS3, Bootstrap, jQuery	Cloud: Azure (Functions, Service Bus, AI Search, Insights), AWS (exposure)
Architecture: Microservices, Clean Architecture, DDD, Onion, CQRS, MediatR, SOLID	Messaging: RabbitMQ, Azure Service Bus, Async Messaging Patterns
Databases: Oracle, SQL Server, MySQL, Redis	DevOps/Tools: Docker, Git, CI/CD Pipelines, TFS, Camunda BPM, Agile/Scrum

WORK EXPERIENCE

Senior Software Developer FlairsTech	Jun 2025 — Present
<ul style="list-style-type: none">Designing and implementing scalable .NET Core microservices and backend APIs using Clean Architecture and Modular Monolith patternsDeveloping RESTful APIs with ASP.NET Core serving Angular frontend applicationsDesigning contract management modules (Flights, Hotel Bookings) with CQRS and MediatRImplementing domain-driven design with rich domain models, value objects, and SOLID principlesIntegrating Camunda BPM for orchestrating complex business workflows including approval chains, visa processing, and contract lifecycle managementIntegrating with third-party services and external systems to extend platform capabilitiesEnsuring high performance, scalability, security, and maintainability of backend systemsCollaborating with frontend, DevOps, and infrastructure teams to support seamless deployment and integrationContributing to architectural decisions and enforcing engineering best practices across the team Tech: ASP.NET Core, Angular, Oracle, Docker, Clean Architecture, CQRS, MediatR, Camunda, DDD	
Senior .NET Developer Nahdet Misr Publishing Group	Feb 2025 — Jun 2025
<ul style="list-style-type: none">Transformed a legacy WordPress monolithic application into a scalable microservices architecture using Azure FunctionsDeveloped and maintained the Aladwaa educational platform serving 1M+ users with remote learning featuresLeveraged Azure Service Bus for reliable asynchronous messaging between distributed servicesIntegrated Azure AI Search to boost search efficiency across the platformOptimized API endpoints to reduce response times and database load using Azure Insights monitoringManaged complex database operations across MS-SQL and MySQLWorked within Agile teams ensuring smooth delivery and continuous improvement Tech: ASP.NET Core, Azure Functions, Azure Service Bus, AI Search, Insights, Microservices, SQL Server, MySQL	
Software Engineer Digital Transformation Center	Aug 2022 — Jan 2025

- Developed and maintained web applications using ASP.NET, MVC, and C#
- Designed and implemented RESTful APIs using ASP.NET Web API
- Integrated third-party APIs and services for enhanced functionality
- Conducted code reviews and provided constructive feedback to team members
- Troubleshooted and debugged software issues to ensure optimal performance
- Software Architecture Standards and Best Practices
- Collaborated with stakeholders to translate business requirements into technical specifications
- Designed and implemented a secure, scalable API for a high-traffic web application

Tech: ASP.NET, MVC, C#, Web API, SQL Server

Trainer

May 2021 — Jun 2021

Petrojet

- Worked with SAP modules and enterprise resource planning systems
- Managed account profiles and monitored execution of demand generation activities
- Collaborated with sales representatives on process optimization

KEY PROJECTS

Masar Umrah Platform — Comprehensive Umrah management system (charter flights, hotel bookings, visa processing) with Clean Architecture, CQRS, and Camunda workflow orchestration.

Aladwaa Educational Platform — EdTech platform serving 1M+ users, migrated from WordPress monolith to Azure-powered microservices.

National Project Management System — Web-based platform for managing national projects with reporting, auth, and stakeholder training.

Content Management System — .NET Core + Angular CRUD app with AutoMapper, DI, and Microsoft Identity.
github.com/mohamad-ayman/cms-project

EDUCATION

Pre-Master in Software Engineering

[Helwan University](#) · Jan 2024 — Present

B.Sc. in Computer Science

[October 6 University](#) · Sep 2018 — Jul 2021 · GPA: 2.9 (Good) · Graduation Project: Online Quiz Maker (Excellent)

CERTIFICATIONS

Full Stack Web Development Diploma (.NET/Angular) — Route

Agile Software Development — Coursera

Software Development Processes & Methodologies — Coursera