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
Jun 2025 — Present

FlairsTech

- Designing and implementing scalable .NET Core microservices and backend APIs using Clean Architecture and Modular Monolith patterns
- Developing RESTful APIs and gRPC services with ASP.NET Core serving Angular frontend applications
- Implementing asynchronous messaging solutions using RabbitMQ for distributed system communication
- Designing contract management modules (Charter Flights, Hotel Bookings) with CQRS and MediatR
- Implementing domain-driven design with rich domain models, value objects, and SOLID principles
- Integrating Camunda BPM for orchestrating complex business workflows including approval chains, visa processing, and contract lifecycle management
- Integrating with third-party services and external systems to extend platform capabilities
- Ensuring high performance, scalability, security, and maintainability of backend systems
- Collaborating with frontend, DevOps, and infrastructure teams to support seamless deployment and integration
- Contributing to architectural decisions and enforcing engineering best practices across the team

Tech: ASP.NET Core, Angular, gRPC, RabbitMQ, Oracle, Docker, Clean Architecture, CQRS, MediatR, Camunda, DDD

Senior .NET Developer
Feb 2025 — Jun 2025

Nahdet Misr Publishing Group

- Transformed a legacy WordPress monolithic application into a scalable microservices architecture using Azure Functions
- Developed and maintained the Aladwaa educational platform serving 1M+ users with remote learning features
- Leveraged Azure Service Bus for reliable asynchronous messaging between distributed services
- Integrated Azure AI Search to boost search efficiency across the platform
- Optimized API endpoints to reduce response times and database load using Azure Insights monitoring
- Managed complex database operations across MS-SQL and MySQL
- Worked 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
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