Alaa Mahmoud

Full Stack .NET Developer | Angular | ASP.NET Core | C#

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Professional Summary

Full Stack Developer with **7+ years** of proven expertise in building enterprise-level applications and scalable web solutions.

Specialized in **Angular, ASP.NET Core**, and **microservices architecture**.

Successfully delivered **20+ production applications** with focus on clean architecture, performance optimization, and maintainable code.

Experienced in **leading development teams** and implementing **DevOps practices**.

Key Achievements

- 🚀 Migrated legacy ASP.NET Web Forms to modern ASP.NET Core, improving performance by **40%**
- 📊 Developed 20+ complex invoice management screens with real-time calculations
- 🏗 Architected microservices solutions using **gRPC** and **RabbitMQ** for high-traffic applications
- 🔐 Implemented enterprise-grade authentication with **Angular Guards** and **.NET Identity**

Technical Expertise

Frontend Development

- **Frameworks:** Angular 12–17, TypeScript, RxJS, NgRx (State Management)
- **UI/UX:** Angular Material, Bootstrap, HTML5, CSS3, Responsive Design
- **Legacy:** JavaScript (ES6+), jQuery

Backend Development

- **Frameworks:** .NET 6+/8, ASP.NET Core, ASP.NET MVC, Web API
- **Languages:** C#, Advanced OOP Concepts

- **Architecture:** Microservices, Clean Architecture, CQRS Pattern
- **Messaging:** gRPC, RabbitMQ, SignalR

Database & DevOps

- **Databases:** SQL Server, PostgreSQL, Entity Framework Core
- **DevOps:** Docker, GitLab CI/CD, Azure DevOps
- **Tools:** Git, Postman, Swagger, Visual Studio, VS Code

Additional Skills

- **Validation:** FluentValidation, Custom Validators
- **Reporting:** ReportViewer, PDF Generation
- **Testing:** Unit & Integration Testing
- **APIs:** RESTful Services, Google Maps API

Professional Experience

Senior Full Stack Developer | Ultimate Solution, Giza

Aug 2023 – Present

Leading enterprise application development with focus on scalability and performance.

Highlights:

- Developed 20+ advanced invoice screens using Angular 17 & .NET 8
- Built reusable APIs with DTOs, validation via FluentValidation, and audit middleware
- Designed authentication modules with Angular Guards and .NET 7 Identity
- Created complex purchase-return SQL procedures with audit trails
- Developed shared Angular UI component library, improving team efficiency by **30%**

Key Projects:

- **Sakeny Real Estate Portal:** Angular 14 | .NET 6 | PostgreSQL | Google Maps API (Multi-tenant)
- **Hotel Booking System:** Angular Material | .NET Core Microservices | Real-time booking management

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Junior Full Stack Developer | Impress Digital Solution, Giza

Feb 2020 – Mar 2021

Modernization and feature development specialist.

- ⟳ Migrated Sharjah Investors Center from ASP.NET Web Forms to ASP.NET Core
- ☑ Designed dynamic reports using ReportViewer and custom business logic
- 🎨 Built responsive UI with HTML5, CSS3, JavaScript, jQuery
- ⚙ Developed robust .NET Core APIs with advanced error handling

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Windows Forms Developer Intern | 4Soft, Giza

Sep 2019 – Apr 2020

Desktop application development and database integration.

- 💻 Developed Windows Forms applications using C#
- ⬚ Built CRUD operations with validation and smooth database connectivity
- ⚙ Collaborated on debugging, testing, and feature enhancements

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Education & Certifications

Bachelor of Science in Computer Science
Higher Institute of Computer Science   (2012–2017)

Professional Certifications

- Angular Certification | Sharp Academy
- Full Stack Developer Certification | Sharp Academy

Continuous Learning

- Advanced Angular Patterns & Architecture
- .NET Core Performance Optimization
- Microservices Design Patterns
- Cloud Computing Fundamentals

Key Projects Portfolio

Project	Technologies	Role	Impact
Enterprise Invoice Management System	Angular 17, .NET 8, SQL Server	Lead Developer	Streamlined invoice processing for 500+ daily transactions
Sakeny Real Estate Portal	Angular 14, .NET 6, PostgreSQL, Google Maps API	Full Stack Developer	Multi-tenant platform serving 10,000+ listings
Hotel Booking Microservices	Angular Material, .NET Core, RabbitMQ, Docker	Senior Developer	Scalable system handling 1,000+ concurrent users

Professional Highlights

- ☑ 7+ years in enterprise-scale app development
- ☑ Expert in latest **Angular & .NET** technologies
- ☑ Strong background in **Microservices & Clean Architecture**
- ☑ Proven performance optimization skills
- ☑ Leadership & mentoring experience
- ☑ Strong analytical and debugging skills

Languages

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