

# Mohamed El-Domany

Senior Full-Stack Developer

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## PROFESSIONAL SUMMARY

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Senior Full-Stack Developer with 5+ years of experience building enterprise-grade web applications using .NET Core and Angular. Proven track record delivering scalable solutions across fintech, asset management, HR, and workflow automation domains. Strong focus on clean architecture, performance optimization, and real-time systems leveraging SignalR, RabbitMQ, and microservices patterns. Authored 25+ open-source repositories and delivered 10+ production enterprise applications.

## PROFESSIONAL EXPERIENCE

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### Senior Full-Stack Developer — Intalio

*Dec 2025 – Present*

- Designed and developed enterprise workflow management solutions that automate business processes, task routing, and approval cycles across complex organizational structures, users, and groups.
- Built scalable full-stack features using .NET Core and Angular to support dynamic workflow creation, task tracking, real-time notifications, and role-based access control.
- Implemented background job processing with Hangfire and message-driven communication using RabbitMQ for distributed task execution.
- Integrated Formly.io to enable dynamic form generation, supporting flexible workflow configurations without redeployment.
- Collaborated with cross-functional teams to enhance system performance, improve user experience, and deliver tailored automation capabilities.

**Technologies:** .NET Core, Angular, SQL Server, SignalR, Hangfire, RabbitMQ, Formly.io

### Full-Stack Developer — EGID

*Oct 2023 – Nov 2025*

- Designed and developed enterprise-level stock trading applications, including a Carbon Trading System, focusing on scalability and high performance.
- Built and integrated real-time notification services using ASP.NET Core and Firebase Cloud Messaging, enabling seamless communication across Angular web and Flutter mobile applications.
- Developed and optimized high-performance reporting solutions using DevExpress to efficiently handle large financial datasets.
- Implemented SignalR-based features for real-time trading data and market updates.
- Contributed to the design and implementation of new features aimed at improving user experience and overall system functionality.

**Technologies:** .NET Core, Angular, SQL Server, SignalR, Hangfire, DevExpress Reporting, Firebase Cloud Messaging

## Full-Stack Developer — Aman Holding

May 2021 – Oct 2023

- Developed and maintained enterprise software applications to streamline internal purchasing and sales processes, ensuring efficient workflow automation and data accuracy.
- Collaborated on system design and implementation using full-stack .NET technologies.
- Integrated third-party Optical Character Recognition (OCR) services to automate document processing and improve operational efficiency.
- Built workflow automation features that reduced manual data entry overhead and improved data consistency across departments.

**Technologies:** .NET Core, Angular, SQL Server, Hangfire

## TECHNICAL SKILLS

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**Backend:** .NET Core, ASP.NET Core, C#, REST APIs, SignalR, RabbitMQ, Hangfire, gRPC, Microservices, Clean Architecture

**Frontend:** Angular, TypeScript, JavaScript, RxJS, SCSS, HTML5, CSS3

**Databases:** SQL Server, Redis

**DevOps & Cloud:** Docker, Azure, Git, GitHub, TFS

**Tools & Frameworks:** DevExpress Reporting, Firebase Cloud Messaging, Formly.io, Unit Testing

## PROJECTS

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### AssetMint — Asset Tracking Platform (Freelance, Production)

Live: [assetmint.net](https://assetmint.net) · Bilingual asset tracking & management platform.

- Implemented fine-grained Role-Based Access Control (RBAC) with custom permission scopes.
- Built real-world audit workflows with reconciliation and discrepancy tracking.
- Developed custodian check-out, asset transfers, and maintenance scheduling features.
- Delivered full bilingual UI (English / Arabic) with RTL support.
- Integrated real-time updates via SignalR for multi-user collaboration.

**Stack:** .NET Core, Angular, SQL Server, SignalR

### E-Learning Platform (Freelance)

Course management with role-based access for instructors and students.

- Built course creation, structured learning tracks, lessons, and exam management.
- Implemented progress tracking, learner enrollment, and performance reporting.
- Designed scalable role-based system supporting multiple user types.

**Stack:** .NET Core, Angular, SQL Server, SignalR

### **Microservices E-Commerce Platform**

Repo: [github.com/meldomany/microservice-app](https://github.com/meldomany/microservice-app) · Microservices-based e-commerce platform.

- Designed multiple independent services for products, orders, payments, and inventory.
- Used RabbitMQ and gRPC for inter-service communication.
- Built secure checkout flow with role-based administration and analytics.

**Stack:** .NET Core, Angular, SQL Server, RabbitMQ, gRPC, Microservices

### **HR Leave Management System — Clean Architecture**

Repo: [github.com/meldomany/HR.LeaveManagement.Clean](https://github.com/meldomany/HR.LeaveManagement.Clean) · Clean Architecture implementation.

- Applied Clean Architecture principles with clear separation of concerns.
- Built employee leave requests, balance tracking, and approval workflows.
- Implemented comprehensive unit testing for business logic.

**Stack:** .NET Core, Angular, SQL Server, Clean Architecture, SignalR, Unit Testing

## **EDUCATION**

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### **B.Sc. in Computer Science**

Modern Academy for Science and Technology

Cairo, Egypt · 2019