

Hassan Mohamed Ragai

Senior .NET Developer

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Senior .NET Developer with over nine years of experience building backends that hold under load: .NET Core migrations, Entity Framework tuning, and real-time systems on SignalR, RabbitMQ and SQL Server Service Broker. Delivered in healthcare, finance, insurance and government. Led cross-functional work, mentored juniors and applied clean architecture principles.

EXPERIENCE

Senior .NET Developer — ISTD (outsourced to ACIG)

2024 – present · Cairo, Egypt

- Upgraded applications from .NET 6 to .NET 8, cutting deployment time by 25%.
- Optimised Entity Framework queries through refactoring and indexing — 40% faster execution.
- Hardened endpoint authentication across APIs handling sensitive data.
- Built Azure DevOps CI/CD pipelines on TFS, automating release workflows.
- Introduced FluentValidation and TestContainers — 35% fewer production errors.

Senior .NET Developer — Link Development

February 2023 – 2024 · Cairo, Egypt

- Implemented a new SharePoint workflow in the released SharePoint site.
- Built the reporting feature with SQL Server Reporting Services (SSRS), hosted on Power BI server.

Senior .NET Developer — PaxeraHealth

December 2021 – February 2023 · Giza, Egypt

- Architected and rebuilt ARK from scratch on .NET Core, enabling AI integrations across 1,000+ medical images daily.
- Documented architecture, design patterns and team rules, reducing onboarding knowledge gaps by 30%.
- Built third-party integration APIs feeding training data into the ARK model.
- Migrated the ZFP web-based medical viewer from jQuery 1.5 to 3.0, moved the UI to Bootstrap and added TypeScript.

Senior .NET Developer — ArabFinance

December 2018 – November 2021 · Giza, Egypt

- Migrated mobile app APIs from .NET 4 to .NET Core 3.1 for 10,000+ users — 35% performance gain.
- Built the Renewal Payment Checker from scratch for 5,000+ subscribers, increasing retention by 60%.
- Delivered a real-time Stock Screen in two versions: V1 on SQL Server Service Broker, SignalR, Entity Framework, SQLite cache and WCF; V2 on .NET Core 3.1 with RabbitMQ and MySQL cache — 1M+ feeds daily at half the latency.
- Supported the news portal backend and frontend, and evaluated third-party revamp proposals.

Software Developer — Watheeqa Securities Brokerage

December 2017 – December 2018 · Cairo, Egypt

- Built an SMS application in PHP integrated with Vodafone via C# — 10,000+ messages monthly.
- Built a Cisco listener application to identify callers on the PC, improving support efficiency by 25%.
- Managed IT for BIMSI and OSM systems and hardware across 50+ machines.

TECHNICAL SKILLS

Languages	C#, TypeScript, JavaScript
Frameworks	ASP.NET Core, .NET Core 3.1/6/8, .NET Framework 4.5, Entity Framework and EF Core, LINQ, SignalR, WCF, WPF, Xamarin, Angular
Databases	SQL Server, MySQL, SQLite, Oracle, MongoDB
Platforms	Azure DevOps, RabbitMQ, Docker, Git, Visual Studio, SharePoint, Power BI, SQL Server Service Broker
Practice	Clean Architecture, MVC/MVVM, design patterns, Agile/Scrum, TDD, CI/CD, RESTful API design, performance optimisation, code review, mentoring juniors

COURSES

- C# — Pluralsight Skill IQ 211 (Expert) · [verify](#)
- Entity Framework Core — Pluralsight Skill IQ 239 (Expert) · [verify](#)
- ASP.NET Core — Pluralsight Skill IQ 212 (Expert) · [verify](#)
- Clean Architecture: Patterns, Practices and Principles
- Design Patterns in C# — 12 of 24 courses
- Modern Structured Logging with Serilog and Seq
- Serilog Enrichers: Getting Common Information into Log Entries
- Creating N-Tier Applications in C#, Part 1
- ASP.NET Core 2 Authentication Playbook
- ASP.NET Core Identity Deep Dive
- Web design + PHP + MySQL
- Diploma in Graphics