

Hazem Abdel Monsif Mohammed

.NET Backend Developer | ASP.NET Core | SQL Server | Redis

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SUMMARY

Performance-driven .NET Backend Developer (2+ years) specializing in scalable API design and high-performance SQL architectures. Expert in ASP.NET Core ecosystem, including Redis caching, real-time SignalR features, and background processing with Hangfire. Proven track record of optimizing transaction speeds by 45% and managing systems supporting 15,000+ concurrent users.

EXPERIENCE

Z4U Solutions

Aug. 2024 – Present

.NET Developer

Egypt

- **Optimized transaction performance by 45%** for Luka E-commerce by implementing Redis distributed caching and refactoring complex SQL stored procedures.
- Engineered and maintained high-traffic APIs supporting **10,000+ daily transactions** with a focus on data integrity and consistency.
- Developed full-scale ERP modules (Inventory, Sales, CRM) utilizing **Clean Architecture** to ensure cross-departmental scalability.
- **Reduced user complaints by 20%** through collaborative UI redesigns and enhanced error-handling middleware.
- Integrated third-party Payment Gateways and Shipping APIs, ensuring secure and asynchronous payment processing flows.

Art of Coding

Jul. 2023 – Jun. 2024

.NET Backend Developer (Freelance)

Egypt

- **Increased system throughput by 25%** for 500+ active users by implementing Database Indexing and refactoring legacy Entity Framework queries.
- Architected a Student Management System from scratch, featuring real-time automated grade tracking and attendance notifications via SignalR.
- Standardized technical documentation using **Swagger/OpenAPI**, reducing frontend-backend integration time by 30%.
- Implemented structured logging with **Serilog**, decreasing incident response time by identifying bottlenecks in production environments.

PROJECTS

Shamsan (ERP System) | CQRS, ASP.NET Core, EF Core, Redis, Hangfire

Oct. 2024 – Present

- Decomposed a monolithic ERP into modular services, supporting **50+ business processes** and improving maintainability.
- **Improved transaction throughput by 20%** using asynchronous processing patterns and connection pool tuning.
- Implemented comprehensive Audit Trails and Global Exception Handling to ensure 100% traceability for financial records.
- Project: tailor-erp.z4u-solutions.com

Rahaal (E-Commerce Platform) | Web API, JWT, SignalR, SQL Server

Aug. 2023 – Oct. 2024

- Scaled backend infrastructure to support **15,000+ concurrent users** during peak traffic periods.
- **Reduced average page load time by 44%** (3.2s to 1.8s) through strategic data caching and asset optimization.
- Designed and deployed health check monitors and automated failover strategies, increasing system uptime to **99.9%**.
- Project: rahaall.com

SKILLS

Languages: C#, SQL, JavaScript, TypeScript, HTML/CSS
Backend: ASP.NET Core, Web API, REST, Entity Framework Core, SignalR, Hangfire, Redis, xUnit, Moq
Databases: SQL Server, PostgreSQL
Auth & Security: JWT, OAuth 2.0, IdentityServer, Bearer Tokens
Cloud & DevOps: Azure, IIS, Docker, GitHub Actions (CI/CD), Serilog Monitoring
Concepts: Clean Architecture, DDD, CQRS, Repository & Unit of Work Patterns, Microservices, OOP

EDUCATION

EI Shorouk Academy	2024
<i>Bachelor of Computer Science (GPA: 3.5/4.0)</i>	Cairo, Egypt

TECHNICAL LEADERSHIP & COMMUNITY

GDSC & CPC EI Shorouk Academy	Oct. 2022 – Jun. 2023
<i>Programming & Problem-Solving Mentor</i>	Egypt
- Coached 100+ students in Data Structures, Algorithms, and C# fundamentals, preparing teams for national programming competitions. - Organized and delivered technical seminars on Clean Code and modern software development lifecycles (SDLC).	
IEEE EI Shorouk Academy	Oct. 2020 – Jun. 2022
<i>Technical Mentor</i>	Egypt
Facilitated weekly coding workshops and hands-on labs, focusing on bridging the gap between academic theory and industry practices.	