Mahmoud Ahmed Dardeer

Senior Full Stack .NET Developer

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PROFESSIONAL SUMMARY

Senior Full Stack .NET Developer with 7+ years of experience designing, developing, and maintaining scalable web and enterprise applications. Proven track record in system integrations (ZATCA, SAP, Nafath, Azure AI), real-time systems, and delivering 15+ projects across government compliance, healthcare, e-commerce, and charitable sectors. Skilled in Clean Architecture, Agile methodologies, and leading end-to-end development lifecycles.

TECHNICAL SKILLS

Languages	C#, JavaScript, TypeScript, Python, Java, SQL, HTML, CSS, SCSS, XAML
Frameworks & Libraries	.NET (5–8), .NET Core, MVC, EF Core, Angular (5–18), Angular Material, WPF, SignalR, gRPC, JWT, ASP.NET Identity, Identity Server, AutoMapper, jQuery, Autofac, Fluent Validation, NUnit, Moq, RabbitMQ, EPPlus, GemBox, Kendo UI, Bootstrap, Firebase, AutoWrapper, NGRX
Tools & Platforms	Visual Studio (2017–2022), SQL Server, MySQL, PostgreSQL, Redis, RabbitMQ, Hangfire, TFS, Git, Resharper, IIS, Postman, Swagger, Telerik Reporting, JMeter, Redgate, Android Studio
Integrations	ZATCA SDK, SAP ERP, Nafath, Azure AI Foundry, OpenAI API, Google Maps API, Firebase, SignalR, gRPC, GemBox, Medical Devices (IoT), Google reCAPTCHA v3
Concepts	OOP, Clean Architecture, DDD, SOLID, MVVM, Microservices, Repository & Unit of Work, Caching, Agile, Scrum, Unit & Integration Testing, Prompt Engineering

PROFESSIONAL EXPERIENCE

DevopSolution *Sep 2024 – Present*
Senior Full Stack Developer

Projects: Keswa System, Eradah System, Career System, Mateen ElManasik, DGPT, Sarfa, NUHP

- Led development of **Keswa** & **Eradah** charitable platforms with beneficiary management, volunteer coordination, clothing distribution dashboards, and multi-language CMS (Arabic, English, French), serving thousands of beneficiaries.
- Migrated massive dataset from MySQL to SQL Server with full database normalization and redesigned architecture, improving system response time by 35% through query optimization.
- Built **Career System** for seasonal Hajj workforce management with **Nafath** (Saudi digital identity) integration, OTP verification, 4-level approval chain, and digital contract issuance with Hijri date support.
- Developed **DGPT** AI-powered chat system using **Azure AI Foundry** & **OpenAI API** with custom configurable agents for domain-specific queries.
- Engineered **Sarfa** attendance system processing 30,000 student/parent records via bulk Excel upload in under 1 minute, with real-time school display and Firebase push notifications.

- Proposed and implemented Clean Architecture across large-scale projects including **NUHP** dual-portal Umrah & Haj booking platform.

Digital Business Systems (DBS) *Sep 2022 – Sep 2024*
Senior Full Stack Developer

Projects: ZUInvoice System, POS

- Built **ZUInvoice** ZATCA Phase 2 (Wave 1) e-Invoicing system with **SAP ERP integration** for invoice syncing, XML generation, QR codes, automated digital signing, and PDF archiving using GemBox.
- Migrated ZUInvoice database from SQL Server to PostgreSQL for improved scalability and cost optimization.
- Developed **POS** retail system with real-time e-commerce integration using **SignalR**, synchronized inventory, and ZATCA-compliant invoice generation — delivered to **8+ clients**.
- Mentored junior developers in **gRPC** and **WPF** for POS desktop client development.

Centro CDX *Jan 2022 – Sep 2022*
Senior Full Stack Developer

Projects: True Blue, pVerify

- Developed **True Blue** real-time patient monitoring system integrated with medical devices for automatic vital signs retrieval (blood pressure, heart rate) with threshold-based alerts via **SignalR**.
- Built **pVerify** medical device integration system connecting blood pressure monitors, glucometers, and heart rate sensors with historical trend analysis and patient profile linking.
- Implemented health trend dashboards enabling proactive medical response for nursing staff.

Modawa Medical Co. *Nov 2019 – Dec 2021*
Full Stack Developer

Projects: Elagk, Mira, A2B

- Delivered **Elagk** (online pharmacy) and **Mira** (online supermarket) platforms with product catalogs, prescription management, order tracking, and real-time delivery updates via **Firebase**.
- Designed and implemented **A2B** delivery platform's route optimization using a **shortest path algorithm** with **Google Maps API** for real-time tracking and ETA calculation.
- Integrated A2B as the unified logistics backbone for both Elagk and Mira, managing driver assignment, fleet management, and end-to-end order visibility across platforms.

Dental Smile Co. *Apr 2018 – Oct 2019*
Junior Full Stack Developer

Project: Dental Clinic ERP System

- Developed and maintained ERP modules for dental clinic operations including patient records, appointment scheduling, billing with insurance claims, and inventory tracking.
- Built reporting dashboards with clinic performance metrics using Telerik Reporting.

3annak App (Freelance) *Oct 2017 – Mar 2018*
Freelance Software Developer

- Built Android and web-based systems for online course registration and order tracking with admin panel for managing courses, students, and payments.

WHAT I CAN HELP WITH

System Design	Structuring large-scale applications using Clean Architecture, DDD, and SOLID principles — proven in Keswa, Eradah, NUHP
Legacy Migration	Database redesign and cross-platform migration with zero data loss — MySQL → SQL Server (Keswa), SQL Server → PostgreSQL (ZUInvoice)
Compliance Integration	Government API integration for e-Invoicing (ZATCA Phase 2), digital identity (Nafath), and regulatory reporting
Real-Time Systems	Live data pipelines using SignalR for e-commerce sync (POS), patient alerts (True Blue), and school notifications (Sarfa)
Performance	Query optimization (35% response time improvement), bulk processing (30K records in <1 min), caching strategies
AI Solutions	Custom AI agents and conversational systems using Azure AI Foundry and OpenAI API (DGPT)
API & Integration	Connecting complex third-party systems — SAP ERP, Google Maps API, Firebase, gRPC, REST APIs
Team Mentoring	Code reviews, knowledge sharing, architecture guidance — trained junior developers in gRPC & WPF at DBS

EDUCATION

Post Graduate Diploma in Computer Science *2017 – 2019*
Cairo University – FGSSR
Graduation Project: E-learning platform with course management, live chat, feedback, timetables, and dynamic content services.

PROFESSIONAL DEVELOPMENT

- Dale Carnegie Seminar: Effective Communications & Human Relations
- BBSA & Graduate Resource Program – Future Generation Foundation (FGF)
- Human Resources Track – FGF

PERSONAL DETAILS

Date of Birth: 21/02/1985
Marital Status: Married
Military Status: Exempted
Languages: Arabic (Native) | English (Good)