

Mohamed Yazan Al-Sayed Hasan *Full Stack Web Developer*

✉ mhdyazanalsayed@gmail.com

in Mohammed Yazan Al-Sayed Hasan

About Me

I am a Full Stack Web Developer passionate about building maintainable and testable and extensible systems.

My primary interest lies in creating software solutions that deliver exceptional results and drive success across different fields.

I thrive in team environments, and I am always keen to contribute, collaborate, and promote team growth. My software development philosophy revolves around providing practical and impactful solutions that meet the intended goals before delving into technical details.

I am committed to ensuring the long-term sustainability of the solutions that I develop, ensuring their continued success and relevance in the future.

I firmly believe in continuous learning, ensuring that my work is not only practical, but innovative as well. I am very interested in software design methodologies and learning new approaches to software and always look to learn more about microservices and distributed systems and scalability for the purpose of taking leadership roles in innovative technology-driven environments.

I'm always open to network with like-minded professionals or discuss exciting opportunities in the technology industry.

Education

Applied College of Computer Science

2018 – present

Professional Experience

Call Center Representative

IBC (International Business Center)

2019 – 2021

Damascus, Syria

The International Business Center is the leading company responsible for maintaining and monitoring cell phone tower operations across Syria.

During my time there, I developed a custom software system that significantly improved the management and resolution of tower-related issues. The system included:

- **Streamlined Issue Tracking:** Enabled tracking of tower problems by status and date, improving response efficiency.
- **Root Cause Analysis:** Allowed detailed documentation of malfunctions, including root causes, problem details, and resolution feedback.
- **Comprehensive Reporting:** Generated detailed reports summarizing tower and station issues and their outcomes.
- **Employee Accountability:** Monitored and logged the actions of maintenance staff, enhancing transparency and performance tracking.

This system empowered the Call Center team to:

- Monitor alarms and technical problems in real time.
- Dispatch maintenance teams quickly to malfunctioning towers or nodes.
- Provide structured feedback and ensure consistent follow-ups until each issue was fully resolved.

By optimizing these critical workflows, my contributions significantly enhanced operational efficiency and improved the reliability of tower maintenance operations across Syria.

Software Engineer | Desktop Application Developer

(Sama Soft)

2021 – 2022
Amman, Jordan

Sama Soft is a provider of innovative software solutions across diverse industries. During my time there, I contributed to the continuous improvement and expansion of several major systems.

My responsibilities included:

- **System Enhancements:** Resolved system errors and implemented stability improvements to ensure smooth functionality.
- **Feature Development:** Designed and implemented new features to meet evolving business and user needs.
- **UI/UX Improvements:** Redesigned interfaces to deliver a more intuitive and user-friendly experience.

Key projects I worked on:

- **Human Resources Management System:** Simplified and streamlined HR processes for enterprise clients.
- **Restaurant Management System:** Enhanced features for inventory control, order processing, and customer interaction.
- **Clinic Management System:** Built tools for patient records, scheduling, and reporting, enabling more efficient clinic operations.

In addition, I supported several smaller client-specific systems, offering tailored solutions that met unique operational requirements.

Software Engineer | Full Stack Web Developer

QServs (Remotly)

2022 – September 2024
Saudi Arabia

QServs specializes in software solutions for the fuel and gas station industry. I joined as the **sole developer** responsible for the entire lifecycle of their flagship gas station management system, used by over 12 fuel companies.

My core responsibilities:

- **Bug Fixes & Error Handling:** Diagnosed and resolved critical issues impacting live systems.
- **Feature Development:** Built and deployed new modules in response to customer demands.
- **System Monitoring & Maintenance:** Continuously tracked system performance, implemented optimizations, and ensured high availability.
- **Customer Support:** Collaborated closely with stakeholders to address technical challenges and improve usability.

My work was instrumental in improving the operational efficiency, stability, and scalability of gas station services managed by QServs.

Software Engineer | Full Stack Web Developer

Tadawi Group (Remotly)

2023 – present
Saudi Arabia

Tadawi Group is a large-scale medical complex offering therapeutic, clinical, and cosmetic services. I played a key role in the development team by designing and implementing integrated systems to streamline operations and improve service delivery.

Projects I led:

- **Patient & Resource Management System:** A centralized platform to manage patients, reservations, doctors' schedules, clinics, and branches.
- **Customer Complaints Management System:** Built a system to log, escalate, and track complaints with detailed feedback and resolution logs.
- **Task Management System:** Tools for assigning, tracking, and automating routine and critical tasks, including subtasks and completion tracking.
- **Meetings Management System:** Scheduling and documenting meetings, sending participant notifications, and converting discussions into actionable tasks.
- **WhatsApp Business Integration:** Integrated WhatsApp messaging for customer communication, complete with bot automation, multimedia, templates, and team collaboration features.
- **Identity Server System:** Built a secure OAuth2-based authentication and authorization system with role and group-based access control across all platforms.

These solutions improved coordination across departments, enhanced patient satisfaction, and supported the group's commitment to providing high-quality healthcare services.

Skills

◆ Backend Development

- C# / ASP.NET Core (MVC + Web API)
- Entity Framework Core
- RESTful API Design
- LINQ, Dependency Injection, Middleware

◆ Databases & Data Management

- SQL Server
- Database Design & Optimization
- Stored Procedures & Indexing

◆ Architecture & Methodologies

- Clean Architecture
- Microservices (In Progress)
- Distributed Systems (Learning)
- Domain-Driven Design (Learning)

◆ Frontend Development

- HTML5, CSS3, Bootstrap 5
- JavaScript / TypeScript
- React.js (with TypeScript)

◆ DevOps & Tools

- Git / GitHub
- CI/CD Basics
- Visual Studio, VS Code
- Postman, Swagger

Projects

Payship – Multi-Carrier Shipping Platform

Full Stack Contribution (Frontend + API Integration) – Freelance Project – 2022 | ASP.NET Core MVC, HTML, CSS, TypeScript, OOP Design

Payship was a shipping platform built to help users in Saudi Arabia and abroad compare and manage parcel delivery through a unified interface. The system integrated with multiple shipping providers (e.g., DHL, local carriers) to simplify shipping for both individuals and merchants.

My role in the project included:

- **Custom Frontend Development:** Built responsive, user-friendly interfaces using plain HTML, CSS, and TypeScript within an ASP.NET Core MVC architecture.
- **Shipping Provider Integration System:** Designed an extensible integration model using an abstract class structure, allowing seamless communication with various shipping companies. Each provider had its own custom implementation class, enabling easy scaling and API-specific behavior.
- **Merchant Bulk Upload Feature:** Developed a module for merchants to upload Excel files containing multiple shipping requests. These files were parsed, validated, and dynamically converted into shipment requests within the system.
- **Dynamic UI-Backend Binding:** Ensured consistent synchronization between frontend forms and backend logic for real-time status updates, validations, and carrier-specific data.

Although the platform was never launched due to funding issues, the system was production-ready and built with long-term scalability and maintainability in mind.

Hamat – Interactive Real Estate Reservation Platform

Lead Full Stack Developer – Freelance Project – 2023 | ASP.NET Core MVC, JavaScript, SVG, JSON, SQL Server

Developed a full-featured real estate reservation platform for Hamat, a real estate company based in Saudi Arabia. The system was built to visualize building floor plans interactively and streamline the full sales and reservation workflow.

Key contributions:

- **Interactive Map System:** Engineered an SVG-based floor plan renderer that allows users to interact with specific rooms or units. Each polygon-shaped area on the map represents a real estate unit (e.g., apartment, office), and displays real-time status (available, reserved, or sold).
- **Custom Drawing Tool:** Designed and implemented a dynamic, in-browser tool that enables non-technical users to draw room shapes directly over floor plans. The tool exports precise JSON files containing the shape coordinates, which are then used in the system to map clickable areas to room data.
- **Full Automation of Sales Process:** Built backend logic to handle the entire sales pipeline—from reservation and status updates to automatic contract generation and invoice printing.
- **Admin Panel:** Created an internal management interface to control room data, handle bulk uploads, and monitor unit status with full history tracking.

The system was fully designed and implemented independently, providing the client with a flexible, scalable solution that replaced outdated manual workflows and brought a modern experience to property sales and management.

Medical Equipment Maintenance Management System

Full Stack Developer – Freelance Project – 2023 | ASP.NET Core Web API, SQL Server, Entity Framework Core, React + TypeScript

Developed a specialized system to manage the maintenance lifecycle of medical devices across hospitals, ensuring timely repairs, warranty tracking, and communication with device providers.

Key features and responsibilities:

- **Equipment Registration & Warranty Tracking:** Built modules to register all medical devices in the hospital system, including warranty details and supplier info.
- **Preventive Maintenance Scheduling:** Developed an automated scheduling system for regular maintenance tasks based on device type, age, and usage.

- **Fault Reporting & Emergency Handling:** Enabled hospital staff to report device malfunctions, which would then trigger communication with the appropriate supplier or maintenance provider for immediate attention.
- **Spare Parts Request System:** Integrated functionality to track and request spare parts needed for repairs. Implemented an approval flow for department heads to approve or reject part orders before execution.
- **Multi-role System:** Designed role-based access for doctors, technicians, department managers, and suppliers—each with tailored dashboards and permissions.
- **Full Audit Logging:** Ensured traceability by logging all actions and changes, supporting accountability and regulatory compliance.

This system significantly improved maintenance workflows, reduced device downtime, and enhanced patient safety by ensuring all critical equipment remained operational and properly tracked.