



# Mohammad Salah Albay

Software Engineer & Full Stack Developer

I create systems that work seamlessly and solve real problems.

Focused on delivering solutions that truly make an impact.

Tripoli

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## EXPERIENCE

### La Porta Di Roma, Tripoli — *IT Support Leader & System Engineer*

Aug 2024 - PRESENT

As a software engineer with a solid understanding of programming and computer systems, I have taken the role of IT Support Specialist by Solving technical issues and infrastructure challenges. I've managed the entire IT environment of the company, handling everything from smart door configuration to network configuration with an advanced router system to integrating Odoo with a ZTK attendance machine.

I designed and developed the landing page for La Porta Di Roma and recently built an internal system called "Me" which is a system for managing the company's physical and digital assets.

### Babel Private Schools, Ein Zara, Tajoura — *IT Support*

Sept 2023 - Jun 2024

At Babel, I was responsible for IT Support across four schools. My responsibilities were to ensure every day ran smoothly from networks to computers. I was also in charge of installing a POS system "EasySoft" in all four schools.

### Ministry of Local Government, Tripoli — *Digital Transformation Team*

Jun 2021 - Oct 2021

As a part of the digital and transformation team, I was responsible for testing the system being developed by the software team.

## EDUCATION

### Information Technologies, University of Tripoli— 77.44%

Jan 2018 - Apr 2024

I hold a Bachelor's degree in Software Engineering from the University of Tripoli, with a GPA of 77.44%. I earned a grade of 91% on my graduation project, titled "Management System for Auto Spare Parts Sales". Certificate available at <https://itstage.net/docs/cert.pdf>

### Course Python for Everyone, University of Michigan

## SKILLS

UI/UX Design

.Net (C#) Desktop POS Apps Development.

Frontend development (HTML, CSS and JS), Backend development (PHP/Laravel).

Mobile Development with android studio using java.

Software engineering and Database engineering.

Server administration.

IT Support Specialist and Problem solving.

Install and configure attendance applications

## HOBBIES

UI/UX design

Rebuilding the wheel for existing technologies (for learning or innovation).

## LANGUAGES

Arabic, English

Sept 2019 - Nov 2019

a course of study offered by MichiganX, an online learning initiative of the University of Michigan. Certificate available at <https://itstage.net/docs/cert2.pdf>

## PROJECTS

### **Emmar Group – Landing Page, Tripoli — Full stack developer**

Apr 2025 - May 2025

Emmar Group is a retail company specializing in luxury sanitary ware and accessories for kitchens and bathrooms. At Emmar, I was responsible for delivering a website that reflects the company's vision of luxury.

### **La Porta Di Roma – Landing Page, Tripoli — Full stack developer**

Feb 2025 - Mar 2025

La Porta Di Roma is a retail company specializing in luxury wearables, shoes, accessories and beauty items for men, women and kids. At La Porta Di Roma, I was responsible for delivering a landing page showcasing the brand's premium offerings and reflects its luxury image. I also integrated the Zoho Inventory API to sync Items information and related documents.

### **La Porta Di Roma – Assets Management System, Tripoli — Full stack developer**

Jan 2025 - Apr 2025

At La Porta Di Roma, I was responsible for planning, designing, and developing an asset management system for the company's physical and virtual assets.

### **Management System for Auto Spare Parts, Graduation Project — Full stack developer using .Net Core**

Jan 2025 - Apr 2025

This was my graduation project. I decided to build on a custom web server (named MC.V2) I had developed back in 2020, which uses .DLL files for backend support, and used it as the backbone of the system. Project poster available at [https://itstage.net/docs/gp\\_poster.pdf](https://itstage.net/docs/gp_poster.pdf)

### **MC.V2 Web Server, Personal Project — .Net Developer**

Jan 2025 - Apr 2025

I originally built the server in 2020, and at first, it only supported IronPython and JavaScript for backend scripting. As I kept improving and testing it, I realized that using a more strict and structured language like C# made development more enjoyable and manageable. So, I added a way to load the whole website logic from .DLL files, where each class represents a piece of the website's functionality.

The server loads its configuration from a JSON file, which defines things like routing, allowed ports, and even other sub-servers to forward specific requests to. It also supports dynamic configuration — for example, the backend logic can block a specific client IP at runtime. That means the backend has some control over the server's behavior, especially for things related to the website itself.