

Mohammed Mostafa Software Engineer

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I have been practicing software industry for 3 years, [my portfolio](#)

Summary

A motivated Backend Developer skilled in designing, testing, and implementing software applications. Seeking to join a progressive organization that values my academic background and hands-on experience while offering opportunities for growth

Education

Computers and Informatics Bachelor's Degree (Computer Science) – SCU September 2021 – June 2025

Mentored newcomers and motivated them to continue learning and growing in the technology field in Google developer student club.

Experience

Backend Developer – ONVO August 2024 – Present

- Reworked the backend system from PHP to JavaScript using Express, achieving a 40% increase in request processing speed and reducing downtime by 20%.
- Led the launch of *Airwave*, a platform for streaming podcasts and music, attracting over 10,000 users within the first week.
- Secured the backend to prevent DoS and XSS attacks, ensuring a more resilient and secure application.

Software Engineer - El Masria August 2023 – October 2023

- Upgraded legacy code and improved code quality, resulting in a 25% reduction in load times.
- Collaborated on a secure E-commerce website using Node.js, Express.js, and Mongoose for the final project, enhancing skills in full-stack development.

Projects

- [Talabat APIs](#), Scalable e-commerce platform built with modern architectural patterns and best practices, Using ASP.NET Core, Redis, Docker, SQL Server, Entity Framework, LINQ, and follows Clean Architecture principles to provide a robust solution for e-commerce needs.
- [HungerStation Microservices](#), Built seven microservices with .NET 8, featuring secure authentication, Azure Service Bus communication, Ocelot Gateway, and database management using Entity Framework Core with SQL Server.
- [Book Store](#), Developed the Manga Store, a robust online platform utilizing ASP.NET Core 8 with an MVC architecture, featuring secure user authentication, an intuitive admin panel, and responsive design with Bootstrap. Implemented advanced order management and comprehensive manga detail pages, enhancing user experience and operational efficiency.
- [Airwave](#), Implemented a secure backend developed to prevent DoS attacks and XSS vulnerabilities, ensuring robust protection in a [production](#) environment.
- [E-commerce](#), Implemented JWT-based user authentication, enhancing security and reducing login time by 30%.
- Developed efficient CRUD operations for product management, boosting system efficiency by 40%.
- [Taylor Swift](#), an open-source [API](#) for Taylor Swift lyrics to get random lyrics and generate quiz questions
- Contributed to Open-Source Project, [LeetPush-Api](#), RESTful API planned to provide access to data related to Leet Code problem-solving activity.
- [Image-Classification](#), Built and shared a Convolutional Neural Network model for high-accuracy image classification.

Skills

Languages and Frameworks:

- C#, ASP.NET Core, JavaScript (Node.js, Express.js), Python, C++

Databases:

- SQL Server, PostgreSQL, MongoDB, MySQL, SQLite

Tools and Concepts:

- Linux, Docker, Data Structures, Object-Oriented Programming (OOP), Redis Caching, Azure, GitHub, GitLab, Postman.