

Mohammed Mostafa Software Engineer

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Education

Suez Canal University

GPA 3.2/4.0

Oct, 2021 - Jun, 2025

Computers and Informatics Bachelor's Degree

- Mentored newcomers and motivated them to continue learning and growing in the Backend fundamentals in Google developer groups.

Experience

Software Engineer - ONVO

Aug 8, 2024 – present

- Reworked our backend from PHP to Express.js, which helped cut load times by 20% and made the system noticeably more stable.
- 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.

Backend Developer – El Masria (Internship)

Jul 12, 2023 – Oct 30, 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

- [Aura-Decor](#) (Graduation Project), Created an Augmented Reality (AR) application integrating custom 3D models to deliver an immersive shopping experience, allowing users to visualize furniture pieces in their real environment.
- [Talabat APIs](#), Built a scalable ecommerce backend using ASP.NET Core and Clean Architecture, with Redis for caching, SQL Server for storage, and Docker for containerization.
- [HungerStation_Microservices](#), Designed 7 microservices using .NET 8, handled communication with Azure Service Bus, secured with JWT, and managed with Entity Framework and Stripe Gateway.
- [Book Store](#), Created a manga e-commerce platform with ASP.NET Core MVC, included login, an admin dashboard, responsive UI, and features like order tracking and detailed manga listings
- [Onvo](#), 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 LeetCode 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, Redis Caching, Azure, Git, GitLab, Postman, RabbitMQ