

# Mohammed Mostafa Software Engineer

[MohammedMostafaNazih@gmail.com](mailto:MohammedMostafaNazih@gmail.com) +20 111 296 1724 Military Exempt

[github.com/Mo7ammedd](https://github.com/Mo7ammedd)

[linkedin.com/in/mohammedtv](https://linkedin.com/in/mohammedtv)

[mohammedd.tech](https://mohammedd.tech)

## Education

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### Suez Canal University

GPA 3.2/4.0

2021 - 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

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### Software Engineer - ONVO

August 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)

July 12, 2023 – October 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

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- [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 e-commerce 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

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**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