Mostafa Ibrahim ElSayed

Software Engineer

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Summary

Results-driven Backend Developer with expertise in building scalable web applications using .NET Core and creating responsive front-end interfaces with React and JavaScript. Skilled in designing robust APIs, optimizing performance, and delivering full-stack solutions with clean, maintainable code.

Skills

Backend: .NET Core, C#, JavaScript, Node.js, Express.js, RESTful APIs
Frontend: HTML, CSS, Sass CSS, Tailwind CSS, TypeScript
Databases: SQL Server, PostgreSQL, MongoDB, Entity Framework, LINQ
Tools: Docker, Git/GitHub, Python, Keras, TensorFlow, CNN
Languages: Arabic – Native; English – B1

Experience

Coder (Freelance), Scale AI   Remote | Nov 2024 – May 2025
- Enhanced and rewrote model responses in front-end web applications using React and vanilla JS.
- Develop specialized training pipelines for SQL optimization and frontend (HTML/CSS/JS) tasks.
- Annotate and evaluate model outputs to improve coding accuracy and response quality.

Full-Stack .NET Web Developer, Digital Egypt Pioneers Initiative (DEPI)   Apr 2024 – Oct 2024
- Developed full-stack web applications using .NET Core, C#, HTML5, JavaScript, CSS3, and MVC frameworks.
- Built scalable back-end services and APIs, with hands-on experience in containerization using Docker and version control with Git/GitHub.
- Led the capstone project to build LMS application, integrating a .NET Core MVC with authentication and authorization.

Projects

FIROZA - Graduation Project
- Developed a CNN-based model to detect plant diseases from images, achieving 97% accuracy on a custom dataset.
- Used Keras, TensorFlow and FastAPI for Model Deployment on Microsoft Azure.

Learning Management System (LMS)
- Developed a Learning Management System (LMS) using ASP.NET Core MVC and Entity Framework includes user authentication and authorization, course management, and a contact form for user inquiries.
- Implemented the Repository Pattern and Unit of Work design patterns to enhance data access layers, resulting in easier maintenance.

Blog API
- Designed a robust API for managing users, posts, categories, and comments, allowing you to build a fully functional blog application.
- Built with TypeScript, Express.js, and MongoDB.

Management System for Supermarket
- Designed to streamline the operations of a supermarket, manage inventory, track sales, and generate reports.
- Implement using a MSSQL Server Database and a Windows Forms App with C#.

Education

.NET Full-Stack Trainee, Information Technology Institute (ITI)   Jul 2025 – Present

Bachelor of Computers and Artificial Intelligence, CAIRO UNIVERSITY   Sep 2020 – Jul 2024
Relevant Coursework: Operation Systems, Databases, OOP, Design Patterns, Advanced Networks, Cloud Computing

Certifications

C# and .NET Basics: Issued by FontendMasters.   May 2025
AWS Academy Graduate: AWS Academy Introduction to Cloud Semester, issued by Amazon Web Services Training and Certification.   May 2024

CCNA: Introduction to Networks, issued by Cisco.   Sep 2023