

Mahmoud Badr

Full Stack Developer

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OBJECTIVE

Motivated and skilled Software Engineer with expertise in Full Stack Web Development, focusing on **C#, .NET, SQL Server, and Angular**. Driven by a passion for continuous learning and growth, I am eager to contribute to innovative, dynamic, and agile environments. Seeking opportunities to leverage my technical skills while advancing my career in well-structured and collaborative teams.

EXPERIENCE

• Full Stack Intern

Jul 2024 - present

ATOS - Cairo, Egypt

- Developed a dynamic web application using C#, .NET, and Angular, improving user engagement.
- Utilized Angular to create a responsive and user-friendly frontend, significantly improving page load times and enhancing user experience.
- Implemented JWT-based authentication and authorization, enhancing system security and reducing unauthorized access.
- Conducted performance analysis on SQL Server databases, identifying key bottlenecks and optimizing queries.

PROJECTS

• Document Management System (DMS)

Tools: .NET Core, Entity Framework, WebAPI, ASP.NET Identity, JWT, Angular, SQL Server

- Developed a robust document and workspace management system, enabling user registration, authentication, and document handling.
- Implemented ASP.NET Identity for user authentication, allowing secure registration and login, with JWT-based authentication, ensuring safe session management.
- Created a dynamic workspace directory structure, allowing users to manage private and public directories and perform CRUD operations on documents, enhancing user control and organization.
- Applied SQL Server for efficient storage and retrieval of workspace and document data.
- Integrated Angular to create a responsive and intuitive UI, implementing real-time updates on document actions (upload, delete, modify).

• Breast Cancer Detection System

Tools: .NET Core, Entity Framework, WebAPI, ASP.NET Identity, JWT, Angular, SQL Server

- Developed a web-based application for breast cancer detection, enabling users to upload X-ray images through a secure and intuitive UI.
- Integrated a machine learning model into the backend, processing uploaded X-ray images to provide real-time diagnostic results.
- Implemented JWT-based authentication to ensure secure access to the system, safeguarding user data and medical images.
- Created API endpoints to handle X-ray uploads, process images with the ML model, and return detailed analysis results to the user.

SKILLS

- **Programming Languages:** C#, TypeScript, Java
- **Frameworks & Technologies:** Entity Framework, LINQ, ASP.NET Core API, Angular
- **Database Systems:** Microsoft SQL Server
- **Web Technologies:** HTML5, CSS3

EDUCATION

• Faculty Of Electronic Engineering

Bachelor's degree in computer science

Menuf, Egypt
Sep 2019 - Jul 2024

- Grade: Good

LANGUAGES

- Arabic
- English