Kareem Ibrahim Mahmoud

Software Engineer

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SKILLS

Frontend: HTML – CSS – JavaScript
Backend: ASP.NET – C# – C++ – SQL – Entity Framework – LINQ – Clean Architecture – REST APIs– OOP – Design Patterns – Multithreading-Dart-SignalR-Data Structure
DevOps & Tools: Git –Docker– GitHub
Databases: SQL Server
Other Skills: NTI Internship (CCNA200-301) – ITI Summer Internship (CyberSecurity) –ITI RedHatAdmin1– ITI (MCSA2019)– Security+ – CyberTalents Internship(CyberSecurity)– CyberTalents Internship(DIFR) –ejbt v1

WORK EXPERIENCE

Junior Software Engineer
EFG Hermes

📅 September 2024 – October 2024   📍 Smart Village

- Built the database ERD and transformed it into an Entity Framework model, enabling smooth database operations and enhancing data integrity across the application.Collaborated on building RESTful APIs using C# .NET, enhancing data accuracy by 20% and reducing response times by 15%.
- Contributed to the development of the API, ensuring full functionality from user registration and login to stock purchasing, with real-time notifications about stock price changes using SignalR.
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- Participated in code reviews to improve maintainability, reducing bugs and ensuring high-quality code standards.

PROJECTS

My Case – Comprehensive Cases System

📅 September 2023 – June 2024

Developed a feature-rich case management platform, "MyCase," encompassing case records, appointments, document attachments, and role-based user management.
- tive tools.

- Back-End (ASP.NET Core):
- Developed a Case Management system using .NET, allowing users to manage cases and
  related details.
- Built a User Management system with login, registration, and role-based access control.
- Implemented Appointment Tracking for hearing dates and procedures.
- Added Document Attachment functionality for uploading legal files.
- Created a Search and Filter system to quickly find cases by keywords or categories.
- Integrated an Authorization System for secure access control.
- Associated cases with relevant parties like opponents, witnesses, and attorneys.
- Developed a Dashboard to display statistics on active cases and upcoming appointments.

OLX Website

Developed a personal portfolio website to showcase my skills, experience, and projects as a software engineer.
Key Features:

- Responsive design for optimal viewing on all devices.
- Interactive and modern user interface.

- **Technologies Used:** HTML – CSS – JS

Transport Company Management System 📅 February 2024 – June 2024

Built both backend of a Transport Company Management System.
- Developed backend with ASP.NET Core 6 and SQL for robust data handling.
- Facilitated user tasks by allowing the selection of transportation modes (land, sea, air).
- Implemented scheduling functionality to determine shipment dates based on vehicle availability and schedule.
- Developed a delivery date estimation feature based on distance, transportation type, and logistical factors.
- Managed fleet operations by tracking and maintaining vehicles for readiness.
- Organized trip routes and timings for efficient trip scheduling.
- Built a driver management system to record driver information and monitor performance.

EDUCATION

Student in Computer Science
Faculty of Computers and Information in Qena

📅 October 2022 – July 2026   📍 Qena, Egypt

LANGUAGES

Arabic   ●●●●●

English   ●●●●○

STRENGTHS

🏆 **Problem-Solving**
Analyzed complex problems and implemented efficient, scalable solutions.

🏆 **Software Development**
Developed interactive, high-performance backend applications, enhancing user engagement and system reliability.

🏆 **Team Collaboration**
Worked effectively across teams to deliver optimized and well-integrated solutions.

🏆 **CTF Player**
Actively participate in Capture The Flag(CTF) competitions to strengthen practical skills in cyber Security and Problem Solving.