Mohammed Mostafa

Software Engineer

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Summary

A motivated Backend Developer skilled in designing, testing, and implementing software applications. Seeking to join a progressive organization that values my academic background and hands-on experience while offering opportunities for growth.

Education

Bachelor's Degree in Computer Science 2021 – present | ismailia,egypt
Faculty of Computers and Informatics, Suez Canal University

Professional Experience

Backend Developer, Intern 11/2022 – 01/2023
El Masria e-learning platform
- Implemented a robust backend API to serve a medical imaging web app,Technologies used [Javascript, Node.js, Express.js, Orthanc(DICOM Server), GCP, Docker, and MongoDB]
- Upgraded legacy code and optimized code quality to enhance system performance and deliver a seamless user experience.

Back End Developer (Internship) 2021 – 09/2021
Information Technology Institute (ITI)
- Completed 120 training hours on Node.js, Express.js, ES6, JavaScript, JWT, and authentication/authorization techniques.
- Collaborated on a secure E-commerce website using Node.js, Express.js, and Mongoose for the final project, enhancing skills in full-stack development.
- Technologies: Node.js, Express.js, MongoDB, JWT, bcrypt, Postman, dotenv.

Projects

Book Store (MVC) ⧉
ASP.NET Core 8, Ef, SQLServer
- Developed the Manga Store, a robust online platform utilizing ASP.NET Core 8 with an MVC architecture, featuring secure user authentication, an intuitive admin panel, and responsive design with Bootstrap. Implemented advanced order management and comprehensive manga detail pages, enhancing user experience and operational efficiency.

Full E-Commerce API ⧉
Node.js, Express.js, MongoDB, Mongoose
- 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%

Examination System ⧉
SQL Server, .NET, Wpf
- Developed an examination system using SQL Server and WPF.
- Managed functionalities for student registrations, exam scheduling, grading, and result management efficiently.

TaylorSwift ⧉
Nodejs,ExpressJs,NextJs
- Created an open-source API for Taylor Swift lyrics to get random lyrics and generate quiz questions (API Link) ⧉ .

YouTube Summary ⧉
Python, whisper, Open Ai
- Built a tool in Python to summarize YouTube videos based on the provided video URL.

Skills

Languages and Frameworks	Databases	Tools and concepts
C#, .NET, JavaScript, Node.js (Express.js), Python, C++.	SQL Server, PostgreSQL, MongoDB, MySQL.	Linux, Docker, Data Structures, OOP, GitHub, GitLab, Competitive Programming, Postman.

Volunteering

IT Mentor
ICPC-SCU
- Lectured newcomers and beginners on C++, data structures, and algorithms related to programming competitions. Helped them learn about competitive programming and ICPC programming contests.

dev team
Google developer student club
- Mentored newcomers and motivated them to continue learning and growing in the technology field.