Abubakr Mohamed

Software Engineer | *Full-Stack Developer | C#/C++, .NET, React*

✉ abubakrmoh01@gmail.com | LinkedIn | Github | Portfolio

📞 +201068596557 | 📍 Nasr City , Cairo , Egypt

PROFILE

Motivated Junior Full-Stack Developer with hands-on project experience in C#, .NET, React, and MS SQL Server. Passionate about building scalable web and desktop applications, leveraging OOP principles and RESTful API design. Eager to contribute to innovative software development, continuously learn, and apply strong problem-solving skills to real-world challenges.

EDUCATION

Computer Science Bachelor's Degree 2021 – 2024
Zagazig University , IT Department

TECHNICAL SKILLS

Back End Development
C#, .NET (ASP.NET Web API, WinForms), Node.js

Databases
MS SQL Server (T-SQL)

Development Tools
Git, GitHub, Visual Studio, VS code

Front End Development
React, HTML, CSS, Tailwind CSS, JavaScript

Concepts & Methodologies
OOP, RESTful APIs, CRUD, Data Structures, Algorithms

PROJECTS

Driving & Vehicle License Department (DVLD) System - Desktop Application

- Developed a comprehensive **C# .NET WinForms** desktop application with a **three-tier architecture** and **MS SQL Server** integration for robust data management.
- Automated license management processes, **reducing manual processing time by 40%** and **improving operational efficiency**.
- Implemented critical functionalities including new license issuance, renewals, replacements, international license applications, retake test services, and detained license release.
- Engineered efficient database interactions using **ADO.NET** for optimal performance and data integrity.

RESTful API & Backend Development - Web Services

- Designed and deployed multiple **RESTful APIs** using **ASP.NET Web API** and **C#**, ensuring scalable and secure data communication for various applications.
- Implemented efficient CRUD operations and optimized database interactions, **improving API response times by 25%** and enhancing overall application performance.
- Established seamless data flow between frontend and backend systems, ensuring reliable and efficient system integration.
- Applied RESTful principles and best practices for maintainable and scalable backend architecture.

Portfolio Websites - Full Stack Web Application

- Created and maintained multiple personal portfolio websites using **React**, **HTML**, **CSS**, and **Tailwind CSS** to effectively showcase development skills and project accomplishments.
- Developed responsive and interactive user interfaces ensuring cross-browser compatibility and optimization for modern web standards.
- Implemented modern UI/UX design principles with React.js, creating engaging and professional web experiences.
- Showcased expertise in front-end development and demonstrated proficiency in contemporary web technologies.
- **Portfolio Link**: Abubakr Mohamed

Foundational C# Projects - Console & Desktop Applications

- Developed a series of foundational C#/C++ projects including a Tic-Tac-Toe game, a pizza ordering application, an 8-ball pool table simulation, and a traffic light simulation.
- Enhanced skills in fundamental programming logic, algorithm design, UI/UX principles, state management, and event-driven programming.
- Applied object-oriented programming concepts and design patterns to create maintainable and extensible code structures.
- Demonstrated proficiency in C#/C++ language features and .NET framework capabilities through diverse project implementations.

LANGUAGES | **Arabic (Native) - English (Excellent)**