ALI MOHAMED

Junior .NET Devolper | Back End | Problem Solver
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Summary

I am an enthusiastic software engineer with 1 years of experience in .NET, C#, and SQL. My notable project increased system efficiency by 30%. Excited to contribute skills and grow with innovative projects.

Skills

.NET. C#. SQL. MVC. WEP API. HTML. CSS. JS. LINQ. RESTful APIs. EF Core. Problem Solving. DP. SingleR

Projects

ERP (Enterprise Resource Planning) system:

system is an integrated solution designed to manage business operations such as sales, inventory, human resources, accounting, and production. The goal of this system is to improve efficiency and reduce costs by integrating all these departments into a single platform.The system was developed using ASP.NET Core MVC with Async for performance improvement, Entity Framework for database access, Fluent API for data validation, and LINQ for flexible and efficient querying of data. Additionally, Identity, Roles, and Permission-based Authorization were implemented to ensure secure and role-specific access control, allowing users to have different levels of access based on their assigned permissions. Dependency Injection was utilized to improve code maintainability and manage dependencies efficiently, ensuring a modular and scalable architecture.
Link: http://erpali.runasp.net/Account/Login
Githup: https://github.com/engalisce81/ErpProject

Task and Project Management System API:

A powerful and scalable API built using **ASP.NET Core** for managing projects, tasks, and teams within an organization. This system allows users to create, manage, and track projects and tasks effectively. It provides a flexible authentication and authorization system using **JWT**, enabling secure access to API endpoints based on user roles and permissions. The API was developed using **Dependency Injection (DI)** to manage service lifecycles and improve maintainability and testability. **Asynchronous programming (async/await)** was implemented to optimize performance and responsiveness, especially under high load. The **Factory Design Pattern** was used to create flexible and reusable service instances based on runtime conditions, improving the system's scalability and flexibility.

Education

Al-Azhar University – Cairo, Egypt Bachelor's in Systems and Computer Engineering
Expected Graduation :2027

Courses

- **Advanced C# Programming:** Taken via Pluralsight in 2024, focused on in-depth understanding of C# programming within the .NET framewor**k.**
- **ASP.NET Core MVC Development**: Taken via Pluralsight in 2025, focused on mastering web application development using ASP.NET Core MVC. The course covered topics such as Entity Framework Core, Dependency Injection, Asynchronous Programming, and API Development.
- **Advanced Database Design**: Taken via Udemy in 2024, this course focused on advanced database design principles using SQL Server and Entity Framework. It included topics like normalization, indexing, and performance optimization.

Language

Arabic Native

English Advanced