Mohamed Hamdy

Backend Developer using .NET

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SUMMARY

Backend Developer experience in C#, ASP.NET Core, Web API, and Entity Framework. Writing clean and testable code .Developed , Designed, and maintained mission-critical applications using SOLID principles and RESTful API architecture. Enhance and develop solutions based on requirements and standards .Implemented database optimization strategies for SQL Server. Created efficient data access layers using LINQ and Entity Framework , has a little experience for work as a flutter developer.

EDUCATION

Higher Institute of Engineering and Technology – Behira   , Fully available to work full-time or part-time or even remote , ready to work immediately   05/2025

Programming Advices

SKILLS

- **Programming Languages**   C#
- **Architectures**   3-Tier Architecture
- **Frameworks & Libraries**   ASP.NET Core , Entity Framework ,   .NET Framework , LINQ
- **Databases**   SQL Server , T-SQL
- **Design Patterns**   Repository Pattern
- **Principles**   SOLID Principles , Object-Oriented Programming (OOP)
- **Other**   RESTful API ,   Data Structures , Algorithms , Git , Github , HTML , CSS
- **Soft Skills**   Very Adaptability , Team Player , Good Communication , Problem-Solving ,Troubleshooting , Time Management , Attention to Details , Continuous Learning, critical thinking, Collaboration, Teamwork

PROJECTS

Q-A-Services-API   2024

A C# Web API project leveraging a layered architecture to ensure scalability and maintainability.

- API Layer: Manages HTTP requests and handles functionalities such as email dispatching.
- Core Layer uses business logic and data access components for efficient data interaction.
- Delivers a suite of HTTP-accessible services, following best practices in modularity and reliable functionality.

SwiftTrips - API   2024

Built a scalable web application for online booking, modeled after Booking.com, utilizing multi-layered architecture.

- API Layer for request handling.
- Core Layer for business logic.
- Data Access Layer for efficient database interaction.
- Key features: advanced accommodation search, booking, and reservation management with a user-friendly interface.

DVLD (Driver License Management System)   2023

Built a robust system for managing Driver and Vehicle Licensing, focusing on scalability, data security, and user-friendly interactions.

- Business Logic Layer for core operations like driver, license, and application management.
- Data Access Layer for secure and efficient database handling.
- UI Layer (Windows Forms) for user-friendly interaction.
- Key features: optimized processes, centralized data management, and scalable design.

C# and Database Connectivity   2023

Created a system for managing contacts, providing streamlined data management and a scalable architecture for future growth.

- Business Logic Layer for contact creation, updates, deletion, and country-related data management.
- Data Access Layer for secure database operations.
- UI Layer (Console-Based) for intuitive user interaction.
- Key features: simplified contact management, database integration, and a scalable, maintainable architecture.

Languages

- Arabic: Native
- English : C1