

Mohamed Hamdy

.NET Backend developer

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Summary

Backend Developer experience in C#, ASP.NET Core, Web API, and Entity Framework. Writing clean, scalable and testable code .Developed , Designed, and maintained mission-critical applications using .NET framework , 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

Bachelor's degree in Computer Engineering

06/2025

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

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 , JavaScript

Soft Skills Very Adaptability , Team Player , Good Communication , Problem-Solving , Troubleshooting , Time Management , Attention to Details , Continuous Learning , critical thinking , Collaboration , Teamwork , Commitment

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.
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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.
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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.
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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.

Projects

- Arabic: Native
- English : C1