Youssef Remah Mohamed

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Backend Software Engineer

Junior backend software engineer with a strong foundation in computer science and a focus on backend web development. Skilled in C#, ASP.NET Core, and building scalable web applications. Passionate about delivering efficient, maintainable solutions and continuously improving expertise in modern backend technologies.

SKILLS

- **Languages & Frameworks:** C#, JavaScript, C/C++, HTML, CSS, Bootstrap, Asp.Net Core MVC/Web API
- **Backend & Database:** Firebase, Microsoft SQL Server, MongoDB, EntityFrameworkCore
- **Testing & Tools:** xUnit, Moq, Fluent Assertions, Serilog, Test-Driven Development, Unit Testing, Integration Testing
- **Software Design & Architecture:** Repository Pattern, Clean Architecture, SOLID Principles
- **Version Control & DevOps:** Git, GitHub, Docker
- **Core Concepts:** OOP, Data Structures and Algorithms

EXPERIENCE

Freelance Software Engineer - *Remote*   02/2025 – Present

- Developed and maintained backend solutions for small-scale web and mobile applications using ASP.NET Core and SQL Server.
- Collaborated with clients to gather requirements and deliver customized backend features.
- Designed and implemented RESTful APIs, user authentication, and database schemas.

IST Networks - *Smart Village, Giza, Egypt*   08/2024 – 09/2024

Software Developer (Internship)

- Received in-depth training in key technologies, including FastAPI, Docker, Microsoft Bot Framework Composer, Git, and Machine Learning.
- Completed hands-on tasks and deliverables to apply concepts in API development, containerization, and conversational AI systems.
- Gained exposure to the development and integration of technologies used in IVR (Interactive Voice Response) systems.

Information Technology Institute - *Cairo, Egypt*   07/2023 – 08/2023

Mobile Application Development with React Native (Summer Training)

- Gained in-depth knowledge and hands-on experience with React and React Native. Enhanced skills in building and maintaining robust and scalable mobile applications.

- Worked on individual projects during the training, applying best practices in software development.
- Received feedback from experienced instructors promoting practical understanding of the React Native technology.

EDUCATION

Nile University - *Sheikh Zayed, Giza, Egypt*   07/2025 – Present
Masters of Software Engineering

Nile University - *Sheikh Zayed, Giza, Egypt*   10/2020 – 07/2024
Bachelor of Computer Science | Cumulative GPA: 3.85

PROJECTS

White Lagoon | ⬡ GitHub   04/2025

A resort booking website where customers can register, view available villas, and make bookings with Stripe payment. Admins manage villa listings and amenities with full CRUD operations. Role-based access is implemented using ASP.NET Core Identity. The app follows Clean Architecture and uses SQL Server with Entity Framework Core for data management.

- **Technologies Used**: ASP.NET Core MVC, Razor Views, HTML, CSS, JavaScript, jQuery Validation, SQL Server, Entity Framework Core, ASP.NET Core Identity, Stripe, Clean Architecture, Repository Pattern

Customer Experience Analytics System | ⬡ GitHub   03/2025

A website that helps managers monitor and evaluate customer service employee performance. Employees upload recorded customer calls, which are analyzed by an AI emotion recognition model to assess the emotional tone. Based on the predicted emotions, the system automatically adjusts the employee's performance rating. The app supports role-based access for managers and employees.

- **Technologies Used**: ASP.NET MVC, Razor Views, HTML, CSS, JavaScript, SQL Server, Entity Framework, Role-Based Access Control, AI Audio Emotion Detection, Repository Pattern

Stock Trading App | ⬡ GitHub   11/2024

An ASP.NET Core 8 website for real-time stock price tracking using Finnhub.io API. The app provides an interface to view market data, implements the MVC architecture and repository pattern, and includes unit tests for reliability. SQL Server and Entity Framework Core are used for data management, with logging capabilities for effective monitoring and debugging.

- **Technologies Used**: ASP.NET Core, API, WebSocket, Entity Framework Core, Logging, Repository Pattern, n-Tier Architecture, SOLID Principles

LANGUAGES

- **Arabic:** Native or Bilingual Proficiency
- **English:** Professional Working Proficiency