Mahmoud Salah

Mid-Level Software Engineer | 2+ Years of Experience   Cairo - Egypt
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 Mahmoud23199 | Mahmoud-Salah99
Military Status: Completed

Work Experience

Mid-Level Software Engineer – Suez Canal Bank   Dec 2025 – Present
- Developed and maintained integrations with T24 Core Banking and third-party services (NI Cards, I-Score, DataGear) to ensure secure and efficient data exchange.

- Supported and optimized the MoneyGram transfer system, resolving issues and automating workflows to improve efficiency

- Contributed to the T24 Core Banking upgrade from R15 to R21, gaining hands-on experience in system upgrades and banking operations.

Backend .Net developer at Cable Network Egypt (CNE)   Aug 2024 – Dec 2025
- Worked on large systems, modifying and enhancing workflows. Contributed to the subscription system for Bein Sport and ART, and integrated with Fawry for seamless payment processing

Backend .Net developer at Kits Technology   April 2024 – Feb 2025
- Developed and maintained web applications using C#, ASP.NET MVC, Web API, and Entity Framework.
- Optimized application performance with efficient LINQ queries for SQL Server
- Debugged and enhanced .NET codebases using Visual Studio, created T-SQL procedures, and conducted codebase analysis for refactoring and Applied OOP principles for reusable components and provided expert technical support.

Internship

4-Month intensive code camp (ICC):   Jan 2024 – May 2024
- Information Technology Institute(ITI), Port Said Branch
- Track: Full Stack Web Development .Net

Education

Bachelor of Computer Science: Jul 2022
- Faculty of Computer and Information Science (CSYS Department), Ain Shams University, Egypt
- GP Projects Grade: **Excellent**

GP Projects:
- Smart cap for the visually impaired
- Technologies: Implemented NumPy and Pandas libraries for data analysis - Engineered a machine learning model using TensorFlow, Viola-Jones, OpenCV, Putty, and VNC-Viewer.

Technical Skills

Programming languages:
C#, C++, C, JavaScript, ECMAScript 6, Python, Kotlin, Java, Typescript

Databases:
SQL server, MySQL, OrcleDB, PostgreSQL

Tools:
Visual Studio, VisualStudioCode, SQL Server Studio, Oracle Pycharm, Android Studio, IIS

Backend Technologies:
ASP.NET (.NET MVC - .NET Core, Restful APIs)

Frontend Technologies:
HTML, HTML5, CSS, CSS3, Bootstrap, Angular

Others:
Entity Framework, Unit testing, LINQ, Git-Github, Bitbucket, Jira

Conceptual Knowledge:
Data structure, Object-oriented, Algorithms, Design pattern, NopCommerce

Projects

EDUNEX Website [LMS] / Fullstack Development   [Backend](#) 🔗 - [Front](#) 🔗

- EDUNEX is an educational platform that enhances learning with course creation and progress monitoring features. Built using ASP.NET Core 8 API, Angular, and SQL Server follows a 3-Tier architecture with a Generic Repository and Unit of Work patterns.

Car Rental Platform / Backend Development   🎧 🔗

- **Technologies:** (C#, ASP.NET Core, EF Core, LINQ,SQL Server, JWT Authentication, Redis)
- **Concepts/Practices**: 3-Tier Architecture, Dependency Injection (DI), Repository Pattern, Unit of Work, Payment Gateway Integration, Car Availability Management, User Authentication and Authorization (Identity), API Integration.

E-commerce Website / Fullstack Development   🎧 🔗

- **Technologies:** (C#, EF, MVC, SQL, Identity, Razor Page, LINQ, HTML, CSS, JavaScript, Bootstrap)
- **Concepts/Practices**: Dependency Injection (DI), Repository Pattern, Unit of Work, payment method.

Crud Operations / Fullstack Development   🎧 🔗

- Technologies: (C#, ASP.NET Core, RESTful APIs, EF, LINQ, SQL, JS, ECMAScript 6, Bootstrap, CSS3, HTML5)

Examination System / Windows Form Application   🎧 🔗

- Technologies: (C#, EF, LINQ, SQL, Windows Form Application)

Fully Responsive Portfolio / Website [Browse Now](#)   🎧 🔗

- Technologies: (CSS3, HTML5, Bootstrap, JavaScript, Smtpjs)

Food Talabat application   🎧 🔗

- Technologies: Rest API - Retrofit - MVVM - SQL Lite - Room database - Firebase - OOP - data structure

Freelance Android Native Shop Management app: Jul 2021 🎧 🔗

- **Technologies**: Engineered and implemented a Retrofit-based MVVM architecture for Android applications, optimizing SQL Lite and Room database utilization; leveraged OOP principles and efficient data structures to enhance performance and scalability

Personal skills

- Excel in detail checking and achieving results with accuracy and precision
- Demonstrate a systematic approach to problem-solving
- Communicate openly, forcefully, and clearly, excelling in interactions with individuals and small groups
- Show eagerness and capacity to learn, demonstrating an exceptional ability to grasp new methods quickly

ACHIEVEMENTS

- Hacker Rank SQL Certificates intermediate and basic (It includes complex joins, unions, and sub-queries.)
- Hacker Rank C# Certificates basic: understanding the structure of C# programs, types, and Variables, basic OOP, Properties and Indexers, Collections, Exception handling

EXTRACURRICULAR ACTIVITIES

- Participant at " ACM_Asics " :   Sep 2018 and Attended specialized training in problem-solving techniques and participated in a team focused on resolving coding challenges on **Codeforces**.