

Mahmoud Ahmed Refaay

Junior .NET Developer

Sohag, Egypt • mahmoudahmedkhalfallah@gmail.com • linkedin.com/in/mahmoud-ahmed-refaay
• github.com/mahmoud-refaay • mahmoud-refay.site • +20 101 603 7787

SUMMARY

Junior .NET Developer with hands-on experience building C# desktop applications and SQL Server-backed systems. Shipped 3 independent projects using WinForms, ADO.NET, Dapper, stored procedures, custom UI components, and third-party REST API integrations. Strong foundation in OOP, data structures, algorithms, T-SQL, and clean architecture principles.

SKILLS

.NET · C# · WinForms · SQL Server · T-SQL · ADO.NET · Dapper ORM · Stored Procedures · RESTful APIs · REST API Integration · OOP / SOLID · 3-Tier Architecture · Data Structures · Algorithms · Git · GitHub · Visual Studio · SSMS

PROJECTS

DVLD (Driving & Vehicle License Department)

Desktop Application

C# · .NET · WinForms · SQL Server · ADO.NET · Stored Procedures · [Source](#)

- Developed a complete licensing system using **C# WinForms** with **Three-Tier Architecture**.
- Designed a relational SQL Server database with **14 tables**, **27 relationships**, and **50+ stored procedures**.
- Automated applicant registration, test scheduling, license issuance, renewal, replacement, and detention workflows.

Aura AI — AI Image Generator

Desktop Application

C# · .NET · WinForms · SQL Server · ADO.NET · Stored Procedures · [Source](#)

- Built an AI-powered image generation app supporting multiple providers (**HuggingFace**, **Stability**, **Google**, **OpenAI**) with automatic fallback handling.
- Developed a theming engine, gallery management system, albums, favorites, backup/restore, and prompt history tracking.

Salati — Islamic Prayer Times & Azkar

Desktop Application

C# · .NET · WinForms · SQL Server · Dapper ORM · Aladhan API · NAudio · [Source](#)

- Developed an Islamic desktop app for prayer times, Azkar, and Adhan notifications using the **Aladhan API** with automatic geolocation.
- Designed a SQL Server database with **10 tables** and **57 stored procedures** to manage Azkar and user preferences.
- Delivered production-ready deployment via **Inno Setup** with system tray integration and widget mode.

EDUCATION

Higher Institute of Electronic Commerce — Sohag

BS in Electronic Commerce

ProgrammingAdvices.com — Programming Roadmap

2022 – Present

Eng. Abu Hadhoud · 21 of 24 Core Courses Completed + Introduction to RESTful API

- Programming Fundamentals & Problem Solving
- Data Structures & Algorithms
- C# Programming (Beginner to Advanced)
- SQL Server, T-SQL, Stored Procedures & Database Design
- OOP & SOLID Principles
- ADO.NET & Database Connectivity
- RESTful API Fundamentals
- Full Real-World Project Development (DVLD)

ADDITIONAL INFORMATION

- **Problem Solving:** Active on LeetCode practicing algorithms and data structures.
- **Languages:** Arabic (Native), English (Basic, improving)