

Ahmed Kelany

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LinkedIn — GitHub

Summary

Junior Backend Developer (.NET) with strong foundations in computer science, algorithms, and object-oriented design. Experienced in building real-world desktop applications using C#, SQL Server, and ADO.NET following clean architecture and 3-tier design principles. Proven ability to design scalable systems, implement business logic, and manage database interactions efficiently. Passionate about backend development and continuously expanding skills in modern web APIs and system design.

Technical Skills

Languages: C++, C#, Python (Basic)

Frameworks & Technologies: .NET Framework, Windows Forms, ADO.NET, ASP.NET Core (Basic)

Databases: SQL Server

Core Concepts: OOP, Data Structures, Algorithms, SOLID Principles, Problem Solving

Web: HTML, CSS, JavaScript, Angular (Basic)

Tools: Git, GitHub, Visual Studio, AI-assisted Development Tools

Projects

DVLD – Driving License Management System

C#, Windows Forms, SQL Server, ADO.NET

- Designed and developed a full-scale desktop application to manage driving license workflows, including issuance, renewal, replacement, and tracking.
- Implemented a clean 3-tier architecture (Presentation, Business, Data Access), improving maintainability and separation of concerns.
- Built and optimized relational database schema with normalized design, ensuring data integrity and efficient querying.
- Developed secure authentication and role-based authorization system to control user access and permissions.
- Implemented complex business rules and validation logic aligned with real-world scenarios.
- Integrated ADO.NET for efficient database operations including CRUD, filtering, and reporting.
- Structured codebase using OOP and SOLID principles to enhance scalability and extensibility.
- Managed multiple system modules including user management, license services, applications, and reporting.
- **GitHub:** DVLD Management System Repository

Education

Faculty of Engineering, Ain Shams University

Bachelor of Engineering

2025 – 2029

Additional Information

Self-taught programmer with a comprehensive learning path covering programming fundamentals, advanced C++, data structures, algorithms, database design, and backend development using .NET technologies.