Sharawy Mohamed

Software Engineer

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EDUCATION

Sohag University, Bachelor of Computer Science   2021 – 2025 │ Sohag, Egypt
GPA 3.22

SKILLS

- C++
- C#
- Problem Solving
- DataStructures & Algorithms

- Database Design
- Structure Query Language (SQL)
- Language Integrated Query (LINQ)
- Unit Test

- Object-Oriented Programming (OOP)
- Design Patterns
- Version Control (Git & GitHub)

- Entity Framework Core
- Model-View-Controller (MVC)
- Application Programming Interface (API)

PROJECTS

DeviceHub [MVC] ⬈   Jul 2024 – Aug 2024
- Description: A multi-layered device management system built with Onion Architecture, emphasizing scalability, maintainability, and efficient data handling.
- Features: Includes admin dashboard, user and role management, product CRUD operations, pagination, session management, and Stripe payment integration.
- Tools & Technologies: ASP.NET ⬈ Core, Entity Framework Core, Onion Architecture, Repository Pattern, jQuery DataTables, Toaster JS, Stripe API, and SQL Server, deployed on Monester.

E-Commerce [API] ⬈   Apr 2024 – May 2024
- Features: Facilitated sales operations with task scheduling, login, registration, filtration, and Stripe payment integration.
- Technology: Utilized C#, OOP, EF Core, LINQ, API, Design Patterns, JWT, Caching, and Onion Architecture.

Employee Management System [MVC] ⬈   Mar 2024 – Feb 2024
- Features: Developed a C# system for CRUD operations on employees and departments, user authentication, and password resets via email/SMS.
- Technology: Utilized EF Core, LINQ, MVC, design patterns, token-based authentication, and 3-tier architecture.

Online Book Reader [Console App] ⬈   Jul 2024
- Features: Scalable Online Book Reader with Super Admin, Admin, and User roles, supporting book management and session tracking.
- Technology: C#, LINQ, OOP, focused on usability, security, and performance.

ASKFM [Console Application] ⬈   Mar 2024
- Developed an interactive Q&A platform using C#, LINQ, and SQL.
- Featuring user authentication and efficient data management for seamless use.

EXPERIENCE

Back-end Developer (Intern/Project Work), Route IT Training Center │ May 2024   Nov 2023 – May 2024
- Developed and implemented two key projects: an E-Commerce API and an Employee Management System MVC, focusing on advanced C#, EF Core, and API development. Gained comprehensive skills in database design, Microsoft SQL Server, OOP, LINQ, and design patterns, with a strong understanding of MVC and back-end development.

TRAININGS

ICPC FCAI Sohag Trainee   Oct 2022 – May 2023
- Developed robust programming skills through participation in the Newcomers and Phases training programs, emphasizing competitive programming strategies.
- Attained a comprehensive grasp of fundamental data structures and algorithms.

ICPC FCAI Assiut Winter Camp Trainee   Feb 2022
- Gained a thorough understanding of numerous data structures and algorithms.
- Improved problem-solving skills through active participation in multiple contests.
- Showed significant progress in solving complex problems efficiently.

AWARDS

- ECPC Qualification Collegiate Programming Contest (2022). ⬈
- Back-end (.Net Core) diploma with Route IT Training Center ⬈

LANGUAGES

- Arabic: Native
- English: Good