Ahmed Magdy

FULL STACK DEVELOPER | .NET BACKEND | REACT FRONTEND
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Education

Suez Canal University, Ismailia, Egypt

Bachelor, Nursing, 2021 - 2025
Cumulative Grade: 88% (Excellent with Honors)

Projects

Addiction Rehabilitation Center Management System *(Ongoing)*

- Designed a comprehensive patient intake workflow, meticulously capturing all necessary information from initial contact through multi-dimensional assessment to discharge.
- Defined clear roles and responsibilities for various staff members.
- Developed and maintained a suite of unit and integration tests to ensure reliability and code quality.
- Notable features include multi-language support, automated email notifications, and detailed audit logging.

Live Demo: arc-care.netlify.app/login

Source Code (Front-End): github.com/amagdykhalil/addiction-rehabilitation-frontend

Source Code (Back-End): github.com/amagdykhalil/addiction-rehabilitation-backend

Technologies Used:

- Backend: Docker, Xunit, ASP.NET Web API, Clean Architecture, SQL Server, Entity Framework, ASP Identity, Scalar for logging.
- Frontend: React (TypeScript), Shadcn, i18next, zod, nuqs, Feature-Sliced Design

Ecommerce

- Implemented secure user authentication using ASP.NET Core Identity with email confirmation and external providers (Google).
- Built robust product catalog features, including category filtering, price range filtering, and search functionality.
- Designed a cart system that manages both guest carts and user carts, with automatic merging after login.

Live Demo: ecommercecorner.netlify.app/

Source Code (Front-End): github.com/amagdykhalil/Ecommerce-frontend

Source Code (Back-End): github.com/amagdykhalil/Ecommerce-backend

Technologies Used:

- Backend: ASP.NET Web API, Clean Architecture, CQRS, Mediator Pattern, SQL Server, Entity Framework, ASP.NET Core Identity, External Identity Providers (Google), JWT Authentication, Serilog for logging.
- Frontend: React (JavaScript), React Router, React Query, React Hook Form, Redux Toolkit, Tailwind.

Driving License Management System

- Developed system to manage vehicle licensing, licensing tests, test appointments, and user accounts in a centralized platform.
- Implemented Clean Architecture with CQRS and Mediator patterns to ensure high maintainability and scalability.
- Designed backend APIs with ASP.NET Web API and integrated ADO.NET for optimized SQL Server access.
- Integrated Azure Key Vault to secure sensitive API credentials.
- Built secure authentication and role-based authorization systems for both frontend and backend using JWT.
- Developed features like license issuance, renewal, replacements, test scheduling, and license detainment management.

Live Demo: licensemanagment.netlify.app/login

Source Code (Front-End): github.com/amagdykhalil/DVLD-frontend

Source Code (Back-End): github.com/amagdykhalil/DVLD-backend

Technologies Used:

- Backend: ASP.NET Web API, Clean Architecture, SQL Server, ADO.NET, JWT Authentication, Azure Key Vault.
- Frontend: React (JavaScript), React Router, React Query, React Hook Form, Recharts, Tailwind, Vite.

Responsive Web Template

Technologies Used: HTML, CSS, JavaScript

Live Demo: amagdykhalil.github.io/Template/

Source Code: github.com/amagdykhalil/Template

Skills

Backend: ASP.NET Web API | ASP Identity | Entity Framework | ADO .NET | C# | JWT | OAuth | OOP | REST APIs
Frontend: React.js | JavaScript | Typescript | HTML / HTML5 | CSS | SASS | Tailwind CSS | Responsive Web Design | Vite
Database: MS SQL Server | SQL | Transact-SQL (T-SQL)
Software Architecture: Clean Architecture | N-Tier Architecture | Mediator | CQRS | Repository Pattern
Tools: GIT | GitHub | PowerShell **|** Docker
Other: Problem Solving | Design Principles **|** Some Design Patterns **|** Worker Service

Certifications

- **SQL** (**Basic**) Certification – HackerRank (2025)
- **SQL** (**Intermediate**) Certification – HackerRank (2025)
- **SQL** (**Advanced**) Certification – HackerRank (2025)

Languages

English (Conversational)

Arabic (Native)