

Mazen Mohsen

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TECHNICAL SKILLS

- **Languages:** Python, SQL(Oracle/SQLite), JavaScript , C++, C#, HTML/CSS, Assembly (x86/ARM), PHP
- **Frameworks/Libraries:** FastAPI, Flask, ASP.NET Core(API/MVC), Laravel, Bootstrap, Web Scraping
- **Full-Stack Development:** REST APIs, MVC, Clean Architecture, Templating (Jinja2, Razor, Blade)
- **Soft Skills:** Problem-Solving, Time Management, Team Collaboration, Decision Making, Work under Pressure, Critical Thinking

EDUCATION

- **Cairo University** Giza, Egypt
Computer Engineering ; GPA: 3.84 *Sep. 2023 – Currently Studying*

EXPERIENCE

- **ElSewedy Elecmeter Group (EMG)** Giza, Egypt
Software Engineer (FullStack Developer), Intern *Jul 2025 - Sep 2025*
Built a Stock Management System for AZKA, a subsidiary of EMG, in C#, ASP.NET Core MVC (Clean Architecture) for tracking stock, purchases, and project releases. Added roles, permissions, authentication, rate limiting, dashboards, reports, and Excel data handling. Optimized performance with async operations and database indexing, improving efficiency by 40% and reducing errors by 60%.
- **SuperAbla** Giza, Egypt
FullStack Web Developer, Intern *Nov 2023 - Dec 2023*
Developed educational company website with teacher reservation system and games portal. Implemented Paymob payment integration for toy store subdomain. Created interactive storytelling feature with custom audio player (30% engagement increase).

PROJECTS

- **LibraryAPI Project [C#/ASP.NET Core/API/SQL Server]:** Backend API with full CRUD operations, role-based access control, authentication, and route/IP-based rate limiting. Built using Clean Architecture with async operations and database indexing to ensure high performance on large datasets.
- **Horse Equipment Store (Mohra-EQ) [Laravel/MySQL/JS]:** E-commerce platform with search/sorting/order tracking (30% satisfaction↑). Admin features: delivery pricing, website customization, coupons (20% workload↓).
- **Hotel Management System (Velvet Hostel) [Laravel/MySQL/PusherJS/MaatExcel/JS]:** Reservations, employee tracking (roles/hours), logging, financial reporting (15% discrepancy↓). Linux server 99.9% uptime, 25% efficiency↑.
- **Educational Platform (SuperAbla) [Laravel/MySQL/JS]:** Educational website with storytelling, admin CRUD, Paymob payments, subscriptions (40% traffic↑). Login security improved 15%. Git/GitHub management.

COURSES

- **The Complete Oracle SQL Certification Course** Online
UDEMY *Jun 2025*
- **100 Days of Code - The Complete Python Pro Bootcamp** Online
UDEMY *Jun 2025*
- **FullStack Web Development Course** Giza, Egypt
RCC *Sep 2022*
- **FrontEnd Web Development Course** Giza, Egypt
RCC *Sep 2020*