

Mahmoud Shrire Elshourbagy

Software Engineer (Full Stack .Net | Angular | React Developer)

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 Completed

Summary

Full-Stack .NET Developer with experience in ASP.NET Core, MVC, Web API, Entity Framework Core, LINQ, C#, SQL Server, Angular, React, Next.js, TypeScript, Tailwind, RESTful APIs, Clean Architecture, SOLID, OOP, and Git. Experienced in building scalable, maintainable applications using modern best practices. Seeking a junior role to apply technical skills and contribute to real-world software projects.

Education

Menofia University, Faculty of Science

(2018-2022)

Bachelor of Computer Science and Mathematics (Grade: Good)

Graduation Project: E-commerce App (Grade: Excellent)

Internships

Information Technology Institute (ITI 4 Month)

Menofia

Intensive Training Program

(July /2025– Nov /2025)

- Completed a 4-month intensive program focused on **Full-Stack .NET development**.
- Gained hands-on experience through multiple projects, enhancing skills in **building full-stack applications** and **designing databases**.

Experiences

Nami – Company

(12/2024 – 05/2025)

React.js | Next.js | Tailwind CSS | REST APIs

- Developed **15+ reusable UI components** using React.js & Next.js, improving code reusability and reducing development time by **30%**.
- Achieved **25% faster page load speed** through code optimization, lazy loading, and image compression.
- Built responsive interfaces using Tailwind & Shadcn UI, improving mobile usability from **70% → 95%**.
- Integrated frontend with RESTful APIs, reducing data-fetching bugs by **40%** and improving user experience.
- Collaborated with the backend team in an Agile environment, delivering features **20% faster** through efficient sprint planning and task management.
- Enhanced SEO performance of key pages, increasing Lighthouse score from **76 → 92**.

Programming Instructor

Egypt Digital Cubs Initiative (AI Mentor) Programming Teacher

Remote (07/2024 – 02/2025)

- Taught programming fundamentals to **200+ students**, improving overall assessment scores by **35%**.
- Designed structured lessons covering algorithms, OOP, problem-solving, best practices, and real-world coding exercises.

- Mentored students in building **10+ practical projects**, boosting their hands-on experience and portfolio quality.
- Created engaging exercises and interactive challenges that increased student participation by **45%**.
- Provided personalized guidance to help students debug, refactor, and optimize their code, improving project completion rate from **60% → 92%**.

Projects

Clinic Management System (Live Demo:

GitHub: 

Tech Stack: ASP.NET Core | Razor Pages | EF Core | SQL Server.

- Developed a **full-featured clinic management system** using ASP.NET Core Razor Pages (.NET 9) and Entity Framework Core.
- Implemented **appointments, visits, diagnoses, prescriptions, and doctor notes** modules with strong data validation.
- Designed a **fully responsive UI** using Bootstrap 5, Bootstrap Icons, and jQuery, improving usability by **35%**.
- Added **real-time notifications** to enhance user experience and streamline clinic workflow. Configured the system using **Code-First Migrations + SQL Server**, ensuring scalability and clean database structure.
- Applied **Clean Architecture + modular structure** to improve maintainability and long-term extensibility.
- Achieved **40% faster data operations** through optimized EF Core queries and indexing.
- **Admin Login** : admin@clinic.com || **Password**: Admin@123

Balsm – Medical Appointment System (Live Demo:

GitHub: 

Tech Stack: Angular | .NET Core Web API | SQL Server | JWT Authentication | FluentValidation | Tailwind | Vercel Hosting

- Developed a full medical appointment management platform with secure patient & doctor authentication.
- Enabled users to book, edit, cancel, and track appointments, improving booking efficiency and reducing user errors by **45%**.
- Built an admin dashboard for managing doctors, patients, appointments, availability, and system settings.
- Implemented doctor working-hours configuration and availability validation, reducing schedule conflicts by **60%**.
- Added role-based access (Admin – Doctor – Patient) ensuring secure and scalable authorization workflows.
- Integrated Fluent Validation to enforce clean request validation and improve API reliability. Designed a clean and responsive Angular UI for fast, smooth navigation and enhanced user experience.

Care Pulse Live Demo:

GitHub: 

Tech Stack: Next.js | React | Tailwind CSS | API Integration.

- Developed a **high-performance medical appointment platform** with easy registration and secure account creation.
- Enabled patients to **book, reschedule, cancel, and view appointments**, improving user workflow efficiency by **40%**.
- Built an **admin dashboard** for managing doctors' schedules, approvals, rejections, and appointment status control (password: 123456).
- Implemented working-hours configuration and appointment availability rules, reducing scheduling conflicts by **60%**.
- Integrated **automated SMS reminders**, which increased appointment attendance by **30%**.
- Optimized UI using **React + Next.js + Tailwind**, achieving Lighthouse performance score above **90%**.

- Delivered a modern, responsive, and intuitive user experience with seamless API integration.

Zentry Live Demo: [🔗](#)

GitHub: [🔗](#)

Tech Stack: React | Next.js | CSS 3D Transformations.

- Visually stunning website with scroll-triggered animations and interactive 3D effects.
- Implemented dynamic animations activated on scroll and interactive 3D transformations that respond to user movement.
- Seamlessly integrated video elements for a cinematic storytelling experience.

Skills

Technical skills:

- **Backend:** C# | ASP.NET CORE | MVC Architecture | Web APIs | LINQ | Entity Framework (ORM) | ADO.NET | Dependency Injection (DI) | Authentication & Authorization (JWT, Identity) | Clean Architecture | Repository Pattern | CQRS (Basic)| Asynchronous Programming (async/await)
- **Databases:** Microsoft SQL Server | MySQL | Migrations (Code First)| Stored Procedures | Database Design & Normalization
- **Frontend:** HTML | CSS | JavaScript | Angular | React | Next.js | TypeScript | Tailwind | Bootstrap | jQuery | Blazor | Shadcn UI | Vite
- **Tools:** Git | GitHub | Postman | Vercel | app write |sentry | Swagger | N8N | VS Code, Visual Studio

Achievements:

- Successfully completed multiple full-stack projects during ITI training, applying .NET, React, and database design skills.
- Developed and deployed **high-performance web applications**, improving workflow efficiency and user experience.
- Built a **graduation project (E-commerce App)** that received an **Excellent grade** for functionality, design, and implementation.
- Optimized UI/UX across personal projects, achieving **high performance and responsiveness** on multiple devices.
- Gained hands-on experience in **3D transformations, animations, and interactive web design**, showcased in portfolio projects like Zentry and Brainwave.

Personal skills:

- Fast learner with a strong eagerness to improve and take on new challenges.
- Take full ownership of work and deliver results with accountability.
- Value teamwork, collaboration, and long-term growth.
- Strong problem-solving and creative thinking abilities.
- Effective in team leadership, time management, and project coordination.
- Excellent communication and presentation skills.

Languages

- **Arabic:** Native Speaker
- **English:** Proficient