

Mahmoud Nabil

Full Stack.NET Developer

☎ : +201146285867 ✉ : e.mahmoudnabil@gmail.com

in : LinkedIn

👤 : EMahmoudNabil

📁 : Portfolio

Profile

Full Stack .NET Developer with expertise in designing, developing, and optimizing web applications. Proficient in both front-end and back-end technologies, including **ASP.NET, C#, JavaScript, and SQL Server**. Passionate about problem-solving, writing clean and maintainable code, and staying up to date with industry trends. Collaborates effectively in teams to develop scalable and high-performance solutions.

Technical Skills

- ◆ **Front-End:** HTML5, CSS3, JavaScript, TypeScript, React.js, Next.js, Angular, Bootstrap, Tailwind CSS.
- ◆ **Back-End:** .NET Core, ASP.NET MVC, C#, Node.js, Express.js, Entity Framework, ADO.NET.
- ◆ **Databases:** SQL Server, MongoDB, MySQL, PostgreSQL, Database Design.
- ◆ **Tools & DevOps:** Git, Docker, Postman, Swagger, Bitbucket.
- ◆ **Architecture & Patterns:** SOLID, Microservices, Clean Architecture, 3-Layer Architecture.
- ◆ **Additional Skills:** Unit Testing, Data Structures & Algorithms, Agile (Scrum, Kanban), Software Testing, Data Analysis.

Projects

- 🚀 **Shipping Company API – ITI Graduation Project** 🔗 (Feb 2025-Apr 2025)
Developed a **RESTful API** for shipping operations with **real-time tracking, dynamic pricing, and secure authentication**. Enhanced logistics with **automated data processing**.
◆ **Technologies:** ASP.NET Core, Angular, SQL Server, Entity Framework, REST API, JWT Authentication.
- 🚀 **HR Management System – ASP.NET MVC** 🔗 (Jan 2025-Mar 2025)
Optimized **HR management** by automating **employee records, attendance tracking, and payroll processing**. Implemented **secure authentication, role-based access, and advanced reporting**.
◆ **Technologies:** ASP.NET MVC, Entity Framework, SQL Server, Bootstrap
- 🚀 **Inventory Management Desktop Application** 🔗 (Oct 2024-Nov 2024)
Developed an **inventory management desktop app** with **barcode scanning, real-time stock monitoring, and automated reorder alerts** to enhance accuracy and efficiency.
◆ **Technologies:** C#, .NET, Windows Forms, SQL Server, Entity Framework, LINQ, Dapper.
- 🚀 **Product Management System – 3-Layer Architecture** 🔗 (Sep 2024-Oct 2024)
Developed a **scalable product management system** with a **3-layer architecture**, ensuring **maintainability, performance optimization, and seamless CRUD operations**.
◆ **Technologies:** C#, ADO.NET, SQL Server, 3-Layer Architecture, Windows Forms.
- 🚀 **E-Commerce Website – Next.js 13 Application** 🔗 (Oct 2023-Dec 2023)
Built a **high-performance e-commerce platform** with a **dynamic catalog, real-time filtering, shopping cart, and secure checkout**. Optimized user experience with a **responsive UI and API-driven data fetching**.
◆ **Technologies:** Next.js 13, React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Vercel.

- 📌 Udemy Course Explorer – React.js Project [🔗](#) (Sep 2023-Oct 2023)
Developed an interactive course browsing platform with Udemy API integration, enabling dynamic course fetching, advanced search, category filtering, and a fully responsive UI
- 💡 Technologies: React.js, Udemy API, Axios, React Router, Bootstrap, Redux Toolkit.

Training & Certifications

- 📌 Full Stack .NET Developer – Information Technology Institute (ITI) (Nov 2024 – Apr 2025)
💡 The Information Technology Institute (ITI) is a highly recognized government-funded institution in Egypt, known for its intensive and industry-aligned training programs. This Full Stack .NET Development program covered ASP.NET, C#, SQL Server, Angular, and RESTful APIs, with a strong focus on hands-on projects, best coding practices, design patterns, and agile methodologies.
- 📌 Web Developer Intern – YAT Software (Oct 2021 – Dec 2021)
💡 Worked on front-end and back-end development, assisting in building responsive web applications, debugging code, and improving UI/UX.
- 📌 Node.js – Build a Full E-Commerce RESTful API (Udemy, Aug 2023 – Jan 2024)
📌 React.js – Build a Full E-Commerce App from Scratch with Redux (Udemy, Feb 2023 – Aug 2023)
📌 React Developer Nanodegree (Udacity, Feb 2021 – Aug 2021)

Experience

- 📌 Quality Control Engineer – Elaraby Group (2022 – Present)
- Designed and implemented SQL & Power BI dashboards for real-time data analysis and quality control optimization.
 - Automated reporting workflows, reducing manual work by 40%.
 - Applied Statistical Process Control (SPC) techniques, reducing production variances by 7%.
 - Streamlined inspection workflows, cutting cycle time by 30%.

Education

- 📌 BSc in Materials Science Engineering (Suez University, 2015 – 2020)
📌 Information Technology High School (Ismailia, 2010 – 2015)

Activities

- Public Relations Lead, Egyptian Society of Material Engineers.
- IT Team Member, AAPG SU SC.

Languages

- Arabic: Native
- English: upper intermediate (B2)