



Anas Hesham

Software Engineer

My Contact

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Technical Skills

- Frontend Development
- Next JS
- React
- TailwindCSS
- HTML/CSS
- Backend Development
- Node.JS
- Spring (Java)
- ASP.net (C#)
- Fast API (Python)
- Mobile Development (React Native)
- Desktop Applications (Electron, Swing, JavaFX)
- SQL (MySQL, PostgreSQL)
- No SQL (MongoDB, Amazon DynamoDB)
- Typescript
- Web Scraping
- Web Automation
- API Integration
- Web Sockets
- MatLab
- Code Security
- Machine Learning

Soft Skills

- Searching
- Observation
- Problem-Solving
- Decision making
- Communication
- Multi-tasking

Education Background

- Bachelor Computer Engineering
Faculty of Engineering Helwan university
2019 - 2024
Accumulative Grade (Very Good)
- Secondary School
El Redwan Private School
Completed in 2019

About Me

Ambitious and approachable Software Engineer equipped with High knowledge of core Computer science principles, focusing on writing as much code as possible while trying to achieve scalable and well-documented solutions. Looking forward to improving my skills and gaining as much experience and expertise in Software engineering as possible.

Professional Experience

Freelance Software Engineer

2021 – Present

- Worked on a food delivery application as a Backend Engineer team lead in a team composed of 6 members (Java Spring Boot)
- Developed a fully-customized point of sale and management system for a warehouse
- Been a part of a team developing an E-learning platform for online courses and lectures
- Developed custom software solutions for many clients using different technology stacks

2020 – 2023

Research Developer

WRL – Wireless Research Lab

Achievements/Tasks:

- Worked in a Learning Management System under the supervision of Dr. Mahmoud El Mesallawy the dean of the faculty.
- Used C# and ASP.Net as a backend framework in real projects.
- Supporting various team members to carry out research, and analyze their work.
- Developed a basic understanding of the different methodologies of project management.

Contact Dr. Mahmoud El Mesallawy

Personal Projects

- **Static Application Security Testing Tool** The tool utilizes rule-based matching and advanced machine learning algorithms to detect code issues, including security vulnerabilities and performance problems. Features include customizable rule creation, multiple interfaces (CLI and web interfaces)
- **Learning Laboratory System** Contributed to the development of a cloud-based learning laboratory system that enables students to conduct lab experiments from home. The system offers real-time interfacing with laboratory equipment and utilities, providing a seamless and immersive educational experience. This project was part of my role as a research developer, where I focused on integrating cloud technologies with educational tools.
- **E-commerce Application** The application leverages dynamic product catalog management and real-time customer behavior analytics to optimize shopping experiences, driving higher conversions and customer satisfaction. Features include customizable product listings, multiple interfaces (web and mobile), and integrated payment gateways for seamless transactions.
- **Trading Data Chatbot** Developed a chatbot that automates the scraping of trading data from various sources and integrates it into a conversational interface. The bot allows users to query real-time trading information and historical data, providing instant insights and analytics. Features include data scraping, natural language processing (NLP), and seamless integration with trading platforms.
- **Resource Management Platform** that holds team resources like links and files (Next.js - Node.js - MongoDB - WebSocket - Tailwind - Authentication - Authorization - Push Notification)