

Omer Ashraf Awwad

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☎ 01121638486 📍 New Cairo, Egypt 🛡 Exempted

Summary

Ambitious Software Engineer, graduated from Faculty Of Engineering Ain Sahms University. I am passionate about creating innovative software solutions that enhance productivity and streamline workflows. I am eager to further develop my professional skills, capabilities, and knowledge in a dynamic organization that values hard work and provides opportunities for growth and challenges.

Education

- Faculty of Engineering Ain Shams University** 2025
BSc. in Computer Engineering CGPA 2.55, GP 3.7 Cairo, Egypt

Certificates

- Spring Certified Professional** May 2025
master the major features of Spring and Spring Boot Spring Academy
- The Ultimate React Course** May 2025
master Modern React, Next.js, Context API, React Query, Redux, Tailwind, advanced patterns Jonas Schmedtmann
- CS50's Web Programming** April 2025
Full-Stack Using Django, Reactjs, SQL database Harvard CS50
- Machine Learning Specialization** February 2025
Supervised Machine Learning: Regression and Classification Coursera
- The Complete Full-Stack Web Development Bootcamp** August 2024
Full-Stack MERN Nodejs, Reacjs, Mongo and also PostgreSQL with Angela Yu London App Brewery

Skills

Programming Languages: Java, Python, Typescript, JavaScript, C++, C#, Dart.

Backend Technologies: NodeJS, Django, Spring Boot, .NET, Web API, JSON, XML, Web Sockets, Docker.

Frontend Technologies: React.js, Redux, Angular, HTML5, CSS3, BootStrap, JQuery, Templating.

Database: PostgreSQL, MySQL, Advanced SQL Server, Indexing, NoSQL, MongoDB.

Others: OOP, SOLID, Data Structure, Problems Solving, Design Patterns, Git, Agile, CI/CD, Networking, React Native, Flutter, ML Models, Linux.

Soft Skills: Team Work Skills, written and verbal communication skills, Openness to multi-culture, Analytical Skills, Time Management Skills, Self Motivated.

Trainings

- Advanced Embedded System Training** August 2024
Worked with Micro controller, setting up I/O, Embedded C, Simulation, Flashing and Running. Edges
- Datacenter Virtualization** August 2023
Got comfortable with Linux CLI, Red Hat Linux, AWS fundamentals, AWS Practitioner contents. NTI

Projects

- BENA, Fully Functional Shared Trips Planning And Places Discovery App** [🔗 Source Code](#)
The app's backend is implemented with python since it uses machine learning techniques in places recommendation relevant to user interactions, elastic search and deployed on AWS EC2 after Docerization. The frontend is implemented in React Native with interactive easy user experience and several features.
- Review Me, Website To Find Reviews About Everything** [🔗 Source Code](#)
Fully Designed and implemented over 30 RESTful JSON APIs including fetching items, fetching reviews, adding items, create review, handling sessions, adding questions and answers, searching, handling notifications and other features. Fully Implement Front-End using react.js, fetching real-time data, sync state and session with the backend.
- Cancer Patient Condition Tracker** [🔗 Source Code](#)
Website that allow patients to track their, easily find documents and doctor's notes by organizing all the scans, prescriptions, Tests, and other documents and notes saving their dates. It can sort them and export reports, You can search on certain paper or test, track tests results. Designed and Implemented the Backend with Spring Boot with PstgreSQL with JWT Authentication, Authorization roles and complete managment to sessions and the Frontend with Angular.
- Small Businesses Prices Catalog Manger, Easy Up-To-Date Catalogs Solution**
Website that allow Businesses owners to add their products and continuously update their data like prices, stock status, offers, images, bundles, other features and can export them as in pdf format or they can share directly interactive link to their up to date catalog with users can access products directly. Designed and Implemented the Backend with Express.js with MongoDB and Frontend with react.js.
- My Portfolio** [🔗 Source Code](#) — [🌐 Website](#)
My Personal Portfolio Created with React.js and the backend with Express Js and MongoDB
- College Projects**
Individual and team projects during studying in the collage:
 - Carpool Mobile App using Flutter, Firebase, NoSQL Database.
 - Health Care Stroke Prediction with models Regression, Decision Tree, KNN, Naive Bayes.
 - Real-Time Online Car Game python synchronous game with chat and voice chat features.
 - Animals Foundation Website with donation feature with payments providers Mastercard, Vodafone cash, ..
 - Multi-Threading High Pass Filter with OpenMP and MPI.
 - Smart Home System with sensors, connected to server and created mobile app to control through Internet.
 - Embedded Car Feature Automation using FreeRTOS to implement car signals, automatic window,
 - Java Cinema Software with reservation feature, choosing seats, whatchlist.