

# AHMED ADEL MOHAMED

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## CAREER SUMMARY:

A proactive and accomplished Back-end developer with a robust track record in achievements and volunteering experience. Possessing expertise in various web development technologies, including HTML5, CSS3, JavaScript, TypeScript, Node.js, and Express.js, coupled with proficiency in database management systems such as MongoDB and PostgreSQL. Demonstrated success in developing scalable full-stack applications, specializing in RESTful and GraphQL APIs, server-side rendering (SSR), and socket.io. Alongside hands-on development experience, a solid foundation in software development practices, encompassing OOP, data structures, algorithms, unit testing, integration testing, and version control using Git and GitHub. Well-versed in Docker for containerization and holds practical knowledge of cloud services, particularly in the AWS environment.

## SKILLS:

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|-------------------|-------------------|-------------------------|-----------------------|
| • Adaptability    | • Creativity      | • Critical Thinking     | • Resilience          |
| • Communication   | • Teamwork        | • Attention to Detail   | • Self-Motivation     |
| • Problem-Solving | • Time Management | • Organizational Skills | • Conflict Resolution |

## TECHNICAL PROFICIENCY:

### Web Development:

- HTML5 - CSS3 - JavaScript - NestJS
- TypeScript - Node.js - Express.js

### Software Development Practices:

- Strong understanding of Data Structures and Algorithms
- Proficient in Unit testing and Integration testing
- Version control using Git and GitHub

### Database Management:

- MongoDB - PostgreSQL - Mongoose
- Sequelize - TypeORM

### Cloud Services:

- AWS Cloud Providers (AWS Practitioner)

### Front-End:

- Server-Side Rendering (SSR)
- Socket.io

### API Development:

- RESTful API
- GraphQL API

### Programming Paradigm:

- Object-Oriented Programming

### Containerization:

- Docker

## EXPERIENCE:

### Web Development Internship

CodingSamurai, Virtual | Oct 2023 to Nov 2023

- Developed scalable full-stack applications, such as social network applications using GraphQL API and React.js.
- Created a Todo app with RESTful API, HTML5, and CSS3.
- Designed and implemented an online calculator using HTML5, CSS3, and JavaScript.
- Gained hands-on experience in building and optimizing web applications.
- Collaborated with a virtual team to contribute to various projects, enhancing teamwork and communication skills.

### Web Development Internship

CodSoft, Virtual | Sep 2023 – Oct 2023

- Developed scalable full-stack applications, such as a portfolio, a landing page, and an online calculator.
- Acquired proficiency in the GitHub workflow, emphasizing version control and collaborative development practices.
- Demonstrated the ability to create visually appealing and functional web solutions.
- Gained practical experience in implementing diverse web development projects within a virtual environment.
- Strengthened skills in problem-solving, coding, and project management through hands-on coding projects.

## PROJECTS:

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### Project: Car-Value

- An innovative NestJS backend project crafted to predict the value of a car based on its characteristics, including make, model, year, mileage, longitude, and latitude. The prediction is made using pre-stored data of car prices.
- **Technologies Utilized:** NestJS, SQLite (TypeORM)
- **GitHub Repository Link:** [Car-Value](#)

### Project: Shopify

- A comprehensive e-commerce online shop featuring essential functionalities such as user sign-up, login, product creation for display and sale, Stripe payment integration, CSRF protection, authorization, authentication, validation, sessions, and more.
- **Technologies Employed:** EJS template, CSS3, Express.js (Server-Side Rendering) (SSR), MongoDB (Mongoose).
- **GitHub Repository Link:** [Shopify](#)
- **Live Demo Link:** [Shopify Live](#)

### Project: Uber-For-X

- A Dockerized Server-Side Rendering (SSR) real-time civilian-cop application designed to assist in times of need. This app includes features such as user sign-up, login, map functionality, 7 Socket.io channels for real-time events, a live tracking system, mailing service (utilizing Nodemailer), CSRF protection, and geospatial indexes.
- **Technologies Utilized:** EJS template, CSS3, Express.js (Server-Side Rendering) (SSR), MongoDB (Mongoose), Socket.io, Docker, Docker Compose.
- **GitHub Repository Link:** [Uber-For-X](#)

### Project: Occla

- A dynamic social network website facilitating the reading, creation, and publication of posts, complete with all CRUD (Create, Read, Update, Delete) operations functionalities. This full-stack project comprises a React website and a REST API.
- **Technologies Employed:** React, Express.js (REST API), MongoDB (Mongoose), Socket.io.
- **GitHub Repository Link:** [Occla REST-API](#)

### Project: Facar

- A versatile social network (Personal Blog) website designed for reading, creating, and publishing posts, offering comprehensive CRUD (Create, Read, Update, Delete) operations functionalities. This full-stack project is composed of a React website and a GraphQL API.
- **Technologies Utilized:** React, Express.js (GraphQL API), MongoDB (Mongoose).
- **GitHub Repository Link:** [Facar v2](#)
- **Live Demo Link:** [Facar Live](#)

## EDUCATION:

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### 2023 | Faculty of Engineering, Cairo University

Bachelor's degree, Electrical Engineer

**Grade:** Very Good

## LANGUAGES :

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**Arabic:** Native

**English:** Very Good