Muhammed Adel

Junior Software Engineer

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Summary

Experienced Software Developer adept in bringing forth expertise in design, installation, testing and maintenance of web applications. Proficient in various platforms, and languages. Experienced with the latest cutting-edge development tools and procedures. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

Experience

Full Stack Developer — IBM   02/2022 − Present
- Collaborated with the logistics team to significantly enhance the customer support tools.
- Utilized React.js and Redux.js to create front-end applications.
- Developed backend services using Node.js, Express.js, and Cloudant DB.
- Implemented a generic component that could be used in 50% of react applications for IBM.
- Deployed and maintained cloud applications on IBM Cirrus Cloud with docker.

Web Development Intern — IBM   08/2021 − 02/2022
- Developed an efficient web application that automates the process of report generation.
- Created backend web services using Node.js, Express.js, and DB2.
- Participated in the R&D process by researching the best approaches to implement.

Education

Alexandria University, Faculty of Engineering, Bachelor's Degree   09/2016 − 07/2021
Major: Computer and Communications Engineering
Coursework: Algorithms, Data Structures, Database, Computer Architecture and Microprocessors

Certifications

Cloud Application Developer 2019 - Mastery Award | [Badge](#)   10/2020 − 12/2020
Issued by IBM

Skills & Abilities

- React.js
- MySQL
- Java
- Node.js
- Data Structures
- HTML
- Redux
- OOP
- CSS
- JavaScript
- Design Patterns
- Docker
- MongoDB
- Python
- Git

Selected Projects

Social Media Management Platform | Graduation Project   09/2020 − 07/2021
- Collaborated with graduation team to create micro services-based application.
- Used Facebook, Twitter, Instagram APIs to organize campaigns statistics and analyze posts performance.
- Produced behavioral and structural UML diagrams to arrange our requirements and implementations.

Arabic Joke Generator | [Link](#)   11/2021 − 11/2021
- Created Restful API that provides 100+ Arabic jokes using Node.js and MongoDB Atlas as a NoSQL db.
- Designed single page application with 5 main features using ReactJS.
- Deployed and maintained the react application on Heroku.

Weather App   05/2021 − 05/2021
- Developed a web application that provides the atmospheric temperature, pressure, weather conditions.
- Utilized Open Weather API to get weather data based on location.
- Used npm libraries like Chart.js to generate types of forecast graphs.