Mohamed Mohamed Afify *Java back-end Developer*

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○ Github   ◈ Codepen   ← Leetcode   HackerRank   🛡 Military completed   🔗 Portfolio

PROFILE

Junior Full-Stack Developer skilled in React.js, Spring Boot, and database integration. Skilled in converting system requirements into ERD diagrams, creating physical databases schema, and building back-end services to handle user requests. Skilled in developing user interfaces using React JS and Redux Toolkit, with a focus on creating dynamic and responsive front-end solutions.

PROJECTS

Management System for Silo Company ⎘
Software management system for egyptian holding company for silos storage in menouf
- Developed responsive web services for warehouse operations, enabling real-time crop tracking, workflow optimization, and efficient distribution, enhancing overall operational efficiency.
- **Phase 1: Information Collection & Requirement Analysis** | ERD & UML digrams
  I played a key role in gathering and analyzing system requirements, ensuring all functional and non-functional needs were captured. This phase helped shape the direction of the project and set the foundation for further development.
- **Phase 2: Visual UI Design | Figma** ⎘
  I was responsible for creating the UI design using Figma, focusing on user-centered design principles to ensure a clean, intuitive interface that enhances user experience. The design prioritized ease of use and efficiency for the end-users.
- **Phase 3: Front-End Development** | React js | Redux Toolkit | MUI
  I used React.js library to build a responsive and visually appealing application. I ensured cross-device compatibility, providing a seamless experience for users regardless of their device.
- **Phase 4: Collaboration with Backend Team** | Spring boot JPA
  Collaborated with the backend team to integrate front-end and backend, ensuring smooth data flow, robust functionality, and a reliable, scalable application.

SKILLS

Programming Language
- Java
- Javascript
- SQL
- Typescript

Database Technologies
- Sql server
- Database Design

Front-end state management
- Redux Toolkit

Frameworks & Libraries
- Servlets
- Spring Boot, Spring MVC, Spring Data JPA
- React Js

Version Control & Tools
- Git, GitHub
- Maven (Build Automation)
- NPM

Software Development Practices
- Object-Oriented Programming (OOP)
- SOLID Principles, Design Patterns
- RESTful API Development
- Microservices Architecture

DevOps & Containerization
- Docker

EDUCATION

B.Sc. in Computer Engineering & Computer Science   09/2018 – 07/2023
Faculty of Electronic Engineering, El Menoufia University
Grade very good 82.34%

VOLUNTEER

Content createor ⎘
Created educational programming tutorials on front-end, back-end, and software engineering, simplifying complex concepts to improve coding skills.

COURSES

Object-Oriented Design ⬈
University of Alberta

- Object-Oriented Analysis And Design
- Unified Modeling Language (UML)

Design Patterns ⬈
- Creational Patterns: , Prototype.
- Structural Patterns: Bridge.
- Behavioral Patterns: Observer.

Udacity Front-End Web Developer Nanodegree: ⬈
- Completed the Front-End Professional Track, gaining expertise in HTML, CSS, JavaScript, and React.js, along with best practices in responsive design and performance optimization.

Huawei Certified ICT Associate ⬈
- HCIA - Data & AI: Focused on data management and AI fundamentals.
- AI Fundamentals: Gained understanding of artificial intelligence and machine learning basics.

LANGUAGES

Arabic
Native Language

English
Good command of both written and spoken English