

Mohamed Mohamed Afify *Java back-end Developer*

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 Cairo, Egypt

 LinkedIn

 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 (SE)
- 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