

# OMAR ALI

## SOFTWARE ENGINEER

### PERSONAL PROFILE

Dedicated to leveraging my technical acumen, problem-solving abilities, and collaborative spirit to contribute to the success of impactful projects and drive innovation in the ever-evolving world of software development.

### TECHNICAL PROFICIENCY

#### - Frontend Development:

Proficient in creating engaging user interfaces and interactive experiences using modern frontend technologies and frameworks.

#### - Backend Development:

Experienced in architecting and implementing solid backend systems with a focus on performance and reliability.

#### - Version Control Systems:

Skilled in utilizing version control systems like Git for managing and tracking changes in code effectively.

#### - Languages: Arabic, English, German

### CONTACT INFO

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LinkedIn: @omarelassal

### EDUCATION

#### MISR UNIVERSITY FOR SCIENCE & TECHNOLOGY

**Bachelor of Science | Aug 2018 - Sep 2022**

BS Computer Science CGPA: 3.4 | Excellent Graduation Project Degree

## WORK EXPERIENCE

### SOFTWARE ENGINEER

**EGYPTIAN BANKS COMPANY | AUG 2023 - Present**

Cairo, Egypt

- Contributed to Developing IPN system (Instant Payment Network).
- Developed internal confidential web applications using Java Spring boot 3 & angular 17
- Utilized RabbitMQ to asynchronous communication applications in spring boot
- Publishing apps to version controls like git and using an integrated suite of tools like Microsoft Team Foundation server.
- Creating unit tests & integration tests for the major part of Instapay network backend using Mockito, Junit, and Spring boot Test.
- Took a part in building both P2P & P2M applications.

### REMOTE SENIOR FRONT END DEVELOPER

**The First Exhibitor | Oct 2020 - Nov 2022**

Riyadh, Saudi Arabia

- Back up Data and restore it properly to prevent any type of data loss.
- Create and administer databases based on user needs.
- Finished Over 26 websites in KSA and 2 websites in Canada
- Implemented SEO methods to achieve a score of 90% or more.

### SENIOR FRONT END WEB DEVELOPER

**M-Eight Marketing Solutions | Jan 2021 - Mar 2021**

Giza, Egypt

- Developed front-end websites using ReactJS framework
- Built back-end services that crunched data to deliver business insights using nodejs
- Created 3D websites using threeJS library

### TECHNICAL SUPPORT SPECIALIST - TECH 2

**Vodafone UK | Sep 2018 - Nov 2020**

Giza, Egypt

- Excellent communication and interpersonal skills to effectively assist end-users
- Ability to document technical procedures and train end-user s
- Ability to work under pressure and meet established service level agreements

## PROJECTS

### MINU - URL SHORTNER

#### MINU.RL

Utilized Spring Boot to develop a custom URL shortener application, integrating SHA-256 encryption for secure data management. Implemented a regex pattern to optionally accept 'http://' or 'https://' prefixes for enhanced flexibility and user experience.

### CHATTING APPLICATION FOR BLIND DEAF USING FLUTTER VIBRA

Developed a mobile app enabling communication between blind, deaf, and abled individuals using Morse code converted to vibration, reducing communication barriers by over 5 seconds. Utilized Dart, Flutter, Google Firebase, and optimized data storage, saving over 30 megabytes per hour of usage.

### JAVASCRIPT PARALLAX LIBRARY PRLXJS

Coded a very lightweight optimized library with a size of only 220 bytes using JavaScript to make a parallax effect library on the desktop preview of the front end of the website and published it on both GitHub and NPM.

### CIPHER & DECIPHER APPLICATION USING C++ CIPHER/DECIPHER

- Created a cipher and decipher console application using C++ that accepts both user inputs & user text files with up to 10 million words per cipher depending on RAM capacity.