OMAR ELOUI

BACK-END DEVELOPER

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PROFILE

Versatile Back-End Developer with extensive expertise in Node.JS, TypeScript, and GoLang. Proven ability to architect and develop robust, scalable systems utilizing cutting-edge technologies. Adept at critical thinking and providing innovative solutions. Excellent team player and collaborator, capable of working efficiently under tight deadlines.

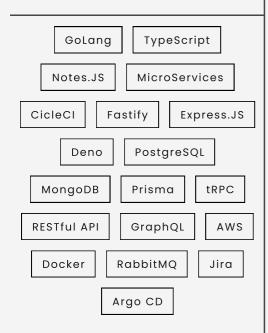## EDUCATION

Advanced Full-Stack Web Development Nanodegree
Udacity
May, 2022 – July, 2022

BA in Spanish Language
Alsun, University of Ain Shams
2016 – 2022

TECHNOLOGIES

GoLang	TypeScript	
Notes.JS	MicroServices	
CicleCI	Fastify	Express.JS
Deno	PostgreSQL	
MongoDB	Prisma	tRPC
RESTful API	GraphQL	AWS
Docker	RabbitMQ	Jira
Argo CD		

LANGUAGES

Arabic, native speaker.

English, fluent.

Spanish, intermediate.

EMPLOYMENT HISTORY

BACK-END DEVELOPER
March 2023 – Present

Arab African International Bank

1. Merchant Portal:
   - Collaborated on 8+ micro-services using RabbitMQ for seamless communication.
   - Implemented SAGA pattern across services, ensuring robust data integrity.
   - Boosted developer experience by creating a CLI tool to control and manage micro-services from one centralized platform (start/stop/restart, remote deployment, execute commands).
   - Developed a centralized Geo-location micro-service for bank services, enabling location-based functionality.
   - Integrated authentication with Active Directory for secure access.
   - Implemented TOTP (Time-based One-Time Password) authentication system for enhanced security.
   - Crafted 8+ complex, responsive email templates using MJML for seamless communication across 3+ stakeholder groups.
2. CVM (Customer Value Management):
   - Took a lead role in architecture and designing the CVM project.
   - Selected optimal technology stack: GoLang, MongoDB, RabbitMQ, and more.
   - Applied advanced design patterns, such as Monorepo and Hexagonal Architecture, to promote code re-usability, maintainability, and modularity.
   - Developed custom code generator, automating service creation and Docker setup.
3. Bank website and CMS:
   - Designed a robust and scalable architecture for the CMS, ensuring efficient content management and delivery.
   - Implemented file storage and optimization strategies, enhancing website performance and user experience.
   - Developed and maintained the back-end system for the bank's website, ensuring seamless operation and functionality.

FULL-STACK DEVELOPER
October 2022 - March 2023

Alsun Yearbook (Freelance)

- Solely conceptualized, developed, and deployed Alsun Yearbook, a digital platform to reconnect university peers post-graduation.
- Implemented comprehensive authentication and authorization systems to secure exclusive access.
- Built an administrative dashboard for streamlined user management and operational control.
- Employed advanced web technologies for full-stack development, ensuring robust functionality and deployment on Netlify.
- Crafted a user-friendly interface, significantly enhancing user interaction and memory sharing among classmates.