

OMAR ELOUI

BACK-END DEVELOPER

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PROFILE

Extremely resourceful Back-End Developer with extensive experience in Node.JS and TypeScript, Good decision maker with ability to think critically and provide out of the box solutions; Team player with strong interpersonal skills and able to work to 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

EMPLOYMENT HISTORY

BACK-END DEVELOPER

March 2023 - Present

Arab African International Bank

- Worked with distributed systems. Develop all MSs using NestJS.
- Responsible for 2 main projects
 1. Merchant Portal:
 - I'm one of three people responsible for over 8 services communicating with each other through RabbitMQ.
 - Implement the SAGA pattern over the services to increase data integrity.
 - Wrote a services utility to improve the DX. It's a CLI tool to interact with the running MSs from one place (start/stop/restart MS, push to remote, run a cli command in the MS, and over 5 more actions).
 - Created a Geo-location MS for the bank MSs to use.
 - Developed a way to interact with the Active Directory to retrieve the bank users information and sign them to the Merchant Portal.
 - Develop TOTP authentication system.
 - Developed over 8 emails using MJML to send complex responsive emails for over 3 parties.
 2. CVM (Customer Value Management):
 - Design the architecture for the full project.
 - Decide the the stack (Golang, MongoDB, RabbitMQ, and more...) and design patterns (Monorepo, Hexagonal Architecture).
 - Write a code generator for the Monorepo to make easier to create new service, generate Dockerfiles and way more.

TECHNOLOGIES

Golang

TypeScript

Notes.JS

MicroServices

CicleCI

Fastify

Express.JS

Deno

PostgreSQL

MongoDB

Prisma

tRPC

RESTful API

GraphQL

AWS

Docker

RabbitMQ

Jira

Argo CD

PROJECTS

IMAGE PROCESSOR [Repo](https://github.com/omareloui/ImageProcessorAPI)

API to manipulate images

- Create the API with Node.js, TypeScript and Sharp.
- Expose an endpoint to be able to manipulate the image and retrieve the wanted result.
- Cache the images on requesting a change.
- Build a simple frontend if needed to upload an image and manipulate. Rendered from EJS.
- Test the API with Jasmine.

LANGUAGES

Arabic, native speaker.

English, fluent.

Spanish, intermediate.