

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.
- 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.

TECHNOLOGIES

TypeScript

Notes.JS

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.

SHOP API

Repo <https://github.com/omareloui/ShopAPI>

An API for an imaginary shop

- Create the project with Node.js, TypeScript, Express, and PostgreSQL for the database.
- Add authentications and authorization rules.
- Use Docker to Initiate the PostgreSQL instance.
- Test the application with Jasmine, and supertest.
- Document the API.

LANGUAGES

Arabic, native speaker.

English, fluent.

Spanish, intermediate.