

# BOUGHRARA MOHAMED AMINE

## Software engineer

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## PROFESSIONAL EXPERIENCE

### Graduation internship

January 2023 – September 2023 One Gate Africa

- Design, development and commissioning of an ERP system using microservice architecture
  - Use of the Axon framework to implement the CQRS design pattern
  - Using PhaseTwo/keycloak for application security
  - Development of a Kafka-based producer-consumer system for sending and receiving messages between components of the ERP system.
  - Writing unit tests using Junit5 .
  - Using Eureka for server discovery.
  - Containerization of the various components of the ERP system using Docker to facilitate deployment and management of the application.
  - Configure Jenkins to automate the tasks of building, testing, deployment and delivery tasks. application.

SpringBoot

AxonIQ

PhaseTwo

keycloak

KAFKA

AngularJs

Docker

Junit

PostgresSQL

### Engineering internship

June 2022 – August 2022 MSK Technology

- Creation of a website (guido) for a training center
  - Development of deferent APIs exposed by the application .
  - deploy the application in the heroku server .
  - Doing code review and managing merge request via Git .
  - Containerization of the technical environment of the module .

Node JS

React JS

ExpressJs

MongoDB

Heroku

github

Docker

### Immersion internship in a company

July 2021 – September 2021 ICONE

- Setting up the database and the structure of the backend project .
- Development of deferent APIs exposed by the application .
- Containerizing the technical environment of the project .

MySQL

SpringBoot

SpringCloud

Postman

Docker

## REALIZED PROJECTS

### Resto-Tech

January 2022 – June 2022 Esprit University

- Realization within a team of a complete system to be implemented in a restaurant:
  - creation of a web application to manage online orders and product management
  - the implementation of 3 interactive nodes to manage the orders within the restaurant

## EDUCATION

### 5th year engineering cycle

2020 – Present ESPRIT

### Graduate in Mechatronics

2017 – 2020 ISSAT Sousse

## SKILLS

- Programming languages :** C/C++ , Java, UML, HTML5, CSS3, JavaScript,Python
- Framework :** Bootstrap, NodeJs, Angular, ReactJs, SpringBoot, SpringCloud
- Data base :** MongoDB, MySQL.
- Data Analysis :** Machine Learning
- Devops :** Docker, Jenkins, Nexus,
- Architecture :** monolithe, micro service
- Others :** Ubuntu/Linux, Firebase

## TRAINING

### Oracle Professional Java SE 11 Programmer OCP

2023 Tunis

### Introduction to DDD, CQRS and Event Sourcing with Axon

2023 Tunis

### Implementing DDD, CQRS and Event Sourcing with Axon

2023 Tunis

## CERTIFICATES

### Palo Alto network cyberSecurity

November 2022

- Network Security Fundamentals

### Certification Cisco CCNA 2

December 2021 – March 2022

technologies and router operation.

## LANGUAGES

- English
- Frensh

→robot for distribution

Node JS

AngularJS

MongoDB

HTML5

CSS3

Bootstrap

Node-Red

Raspberry-pi

ESP32

MQTT

## RFID Project

📅 October 2021 – December 2021 📍 Esprit University

- Designing a safety system for babies based on their movements and notifying the parents in case of danger

→Node design .

→Ensure instant communication of nodes with the mobile application .

→ Realization of a web site allowing to visualize the movements of baby .

Android Studio

Firebase

ESP32

NodeJs

Angular

github

## SMART FARM

📅 Octobre 2020 – Decembre 2020 📍 Esprit University

- desktop application to automate the management of a farm

Ubuntu

Language C