




MOHAMED AMOUSSAOUI

Software engineer

Experienced software engineer specialized in **C/C++** and **JS/TS**, committed to creating innovative solutions that solve complex problems. Passionate about using technology to drive progress and improve people's lives while staying up-to-date with emerging technologies.

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WORK EXPERIENCE

Bhira -- Co-Founder and CTO

January 2023 - August 2023

As Bhira's co-founder and CTO, I developed a cutting-edge mobile app for online grocery shopping, resulting in a 50% increase in customer acquisition.

- Created and executed tech roadmap, led dev team to meet sprint goals
- Designed and implemented a **REST API** for the app using **NestJS**, **PostgreSQL** and **TypeORM**
- Integrated 3rd party **APIs**.
- Deployed the app in **Digital Ocean** using **Platform as a service (Paas)** and **Managed Databases**.
- Collaborated closely with our front-end developer to ensure seamless linking between the app's front-end and back-end.

JESA institute -- Software engineer intern

April 2022 - Oct 2022

As a software intern at JESA institute, I developed a web platform for creating and managing task orders.

- Developed a web platform using **ReactJS** with **Typescript** and **Microsoft SharePoint** as API.
- Implemented a **proxy server** using **sp-rest-proxy** to facilitate testing the application without the need to deploy it each time to SharePoint.

GR -- Embedded systems specialist

Dec 2018 - May 2019

As an Embedded systems specialist at GR, i designed, developed and maintained software and hardware components for embedded systems.

SKILLS

Languages: **C**, **C++**, **JavaScript**, **TypeScript**, **Python** .

Frameworks and Cross-Platform: **Node.js**, **NestJS**, **ReactJS**.

Databases: **PostgreSQL**, **MySQL**.

Tools & Technologies: **Unix**, **GIT**, **Docker**, **Kubernetes**, **TypeORM**, **Vagrant**, **Redux**, **ArgoCD**.

Other: **Data Structures and Algorithms (DSA)**, **Problem Solving**, **CI/CD**.

PROJECTS

Inception_of_things

This project covers setting up a virtual environment for Kubernetes deployment using Vagrant, deploying K3s and understanding its Ingress feature, learning how to simplify Kubernetes management with K3d, and implementing CI for working clusters in Docker.

Stack used: **Vagrant**, **Kubernetes (k3s, k3d)**, **ArgoCD**, and **Docker**.

EDUCATION

Software Engineer — 1337 Coding School #42 Network

2019 - 2022

• Coursework: *Imperative Programming*, *Object-oriented Programming*, *Algorithms & AI*, *System Programming*, *Network & System Administration*, *Databases*, *Parallel Computing*, *Security*, *Software Quality Assurance*.

Languages

Arabic: Native

English: Advanced

French: intermediate