BERCHIDA ILYASS

Software developer

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EXPERIENCE

Software Developer
UM6P - AGRIEDGE BU　　📅 07/2021 - Present　　📍 Benguerir, Morocco

AgriEdge is a business unit at UM6P that operates in the agriculture field and provides services to farmers based on data.

- Creating a cartographic web application for yield prediction and harvest management using **ReactJs**, **NextJs**, and **Django** - Hosted in **AWS EC2**
- Creating a cartographic web application to visualize different data layers on the map with a tiling system using **ReactJs**, **NextJs**, and **Django** - Hosted in **AWS EC2**
- Developing backend services logic and managing databases using **Python** and **Postgresql**
- Developing **REST API**s and **GraphQL API**s using **Django** - Hosted in **AWS Fargate**
- Ensuring permissions and security by implementing protocols like **JWT**

Back-end Developer - Internship
ECOM ANALYTIC　　📅 11/2020 - 04/2021　　📍 Khouribga, Morocco

1337 Startup provides ecommerce solutions

- Creating a web crawler for e-commerce websites and a data scraper to collect data about products in different categories
- Creating a database to store collected data
- Developing a background process that keep track on scraped product and categories, and manage scraping schedule for each item
- Developing a separated crawling and scraping as decentralized services on many servers to facilitate scaling
- Creating a REST API to link between all services

Flutter Developer
ETIL　　📅 07/2019 - 01/2020　　📍 Essaouira, Morocco

Essaouira Territorial Innovation Lab (ETIL), an open innovation space serving the territorial developement of the Essaouira province

- Creating a digital guide as a mobile application to provide city visitors with the information about the sities they visit and their monuments, history, and culture

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EDUCATION

Junior Software Developer Degree
1337 Coding School　　📅 2018 - 2021　　📍 Khouribga, Morocco

Bachelor Degree In Economic Sciences
Abdelmalek Essaadi University　　📅 2014 - 2018　　📍 Tanger, Morocco

Baccalaureate in Physic Sciences
Ouad Eddahab High School　　📅 2012　　📍 Asilah, Morocco

CERTIFICATION

Kaggle
Data science and Machine learning courses and projects

Udacity
Build Native Android Mobile Apps

SKILLS

Programming Languages
C/C++　Typescript　Python　JS　Java　Dart

Front-End
ReactJs　NextJs　TailwindCss　MUI

Back-End
Django　Flask　Postgresql　MongoDB　Nginx

Mobile
Flutter　Java

Tools
AWS　Git　Photoshop　Figma

PROJECTS

Mormade
Web e-commerce and publishing platform for Moroccan artisanal products and culture.

Corewar
Virtual "arena" in which programs will fight against each other. Also an assembler to compile those champions from assembly code to binary code.

Lem-in
Graph traversal algorithm to lead the ants to their destination in an optimal amount of moves.

Push-swap
Optimization project about sorting algorithms

LANGUAGES

English	Advanced
French	Intermediate
Arabic	Native

ACHIEVEMENTS

First Prize in ETIL Challenge
Developing a mobile application for a musem to guide visitors.