

MOURAD LABRAHMI

Software Engineer

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in <https://www.linkedin.com/in/mouradlabrahmi/> <https://github.com/MouradLabrahmi>



EXPERIENCES

Backend Engineer

Pawp (remote via Obytes)

Avril 2022 – Present NY, USA (remote)

- Develop new features for backend APIs using Django, Graphene, Pytest and Docker
- Implement test cases for each functionality using Pytest
- Develop and test new API GraphQL endpoints
- Fix bugs and Maintain and test existing functionalities
- Refactor existing code
- Build internal apps using Retool
- Daily maintenance of code, debugging issues and solving clients' problems
- Review open PRs and collaborate with highly skilled developers

Software engineer - Research project

MAScIR



December 2020 – Avril 2022 Rabat

- Extract energy and weather data from APIs and sensors using Python scripts and Amazon Lambda function
- Build a hybrid model that increases the accuracy to more than 93% using Keras, Scikit-learn
- develop a REST API using Django Rest Framework that package and deploy the developed model
- develop an energy management system that monitor and control the energy consumption process and reduce the consumption by 21.23%.
- Develop an AWS cloud data infrastructure using S3, Lambda, DynamoDB, SageMaker and Quicksight

Graduation internship

Mentor Graphics



February 2020 – July 2020 Rabat

- Launch IC design test cases and analyze results.
- Write Python, Tcl and bash scripts for testing timing engine of Nitro-SoC a Place and Route automation tool for integrated circuits design.
- Build a test automation web application, using Flask Python web framework for back-end and HTML/CSS and JavaScript for the front-end.

Software developer intern

ENOVA R&T



July 2019 – Sep 2019 Rabat

- Develop a real-time application to control and monitor underwater drones using django for the backend and react js in the frontend

Web developer intern

CEIT

Aug 2018 – Jul 2018 Casablanca

- Create a website to introduce touristic areas in Morocco, using HTML/CSS, and JavaScript.

EDUCATION

Engineering diploma in information technologies

INPT



Sept 2017 – Jul 2020 Rabat

CERTIFICATES



Perform Cloud Data Science with Azure Machine Learning (Microsoft)



Artificial Intelligence Analyst (IBM)



Scrum master

SKILLS

Python Django DRF FastAPI Flask
JEE Spring boot Microservices REST API
React Js Docker Pytest GraphQL Celery
Redis Git AWS CI/CD Agile method
Problem solving Time management

PROJECTS

- **Remove background** : Built a full stack web application to remove background of any image using Graphene-Django and React js, it detects automatically the edges of the image using AI and download the resulting png image.
- **Ecommerce REST API** : Built a RESTFull API for an e-commerce app that handle users authentication, making orders and cart functionalities using Django Rest Framework, JWT, Celery, Redis and Swagger UI and unittest to implement test cases for each feature.
- **MeetIn** : A video streaming chat application using Django, Agora SDK and JavaScript.
- **Recommendation system API**: Development of a movie recommendation system based on movies seen by current visitors and other visitors using KNN, Collaborative filtering and Flask.
- **E-commerce application** : Built an e-commerce web application for selling digital and physical products using Django, JavaScript and HTML/CSS.

For more projects : <https://github.com/MouradLabrahmi/>

LANGUAGES

English
French
Arabic

Good mastering
Good mastering
Native