OMAR AIT BENHADDI

⚲ Morocco ✉ omar.aitbenhaddio@gmail.com ☐ +212 6 54 34 12 45 in https://www.linkedin.com/in/omaraitbenhaddi/ ☁ https://github.com/Omaraitbenhaddi

SUMMARY

I am a passionate developer in the field of information technology. I have acquired strong programming skills during my studies and gained significant experience in software development, DevOps, software engineering, data science, and cloud technologies. I have actively participated in various software development projects and made contributions to open-source projects. I am committed to continuously improving my skills and staying updated by learning.

EXPERIENCE

MLops intern
3D smart factory   June 2023 – July 2023
· Developed the Production Pipeline and ensured Model Monitoring while managing AWS CloudWatch for infrastructure.
· Collaborated effectively with team members on GitHub, created a Flask-based web application, and led AWS Deployment efforts.
· Meticulously monitored model performance and reduced downtime and Achieved 99% AWS uptime and reduced infrastructure costs by 20%.
· Designed and developed a user-friendly Flask-based web app.
· Improved code management and version control using GitHub.

FULL STACK DEVELOPER
CARLOC MAROC   March 2023 – June 2023
· Designed and developed a Software as a Service (SaaS) for car rental using JavaScript, React and Express frameworks, along with the REST protocol. The project also included managing static files using Google Cloud Object Storage.
· Implemented secure authentication by integrating Passport, JWT, and the Google Cloud Auth API, as well OAuth 2.0 authentication through the Google Cloud Auth API and Facebook Auth API.
· Created server-side business logic with Express and the user interface with React, ensuring an efficient and user-friendly experience for customers.
· Utilized tools such as Figma,Jira, Git, and Scrum for effective collaboration with the team and to ensure the delivery of a high-quality product.
· Set up a metrics collection system, including user clicks on cars and pages viewed, to use in a car recommendation system.
· Implemented DevOps practices to facilitate collaboration among team members and ensure continuous project delivery.
· Tools used: Figma, React, Git, Express, Passport, REST, JWT, Scrum, OAuth 2.0 Google API, Google Cloud Object Storage.
· Employed WebSockets to develop a real-time chat service, enhancing user engagement and providing instant communication capabilities for users.

PROJECT INTERN
ORANGE   January 2022 – March 2022, MAR, Orange
· Conceived, designed, developed, and deployed a web/mobile application using Flutter and Django REST framework, providing an intuitive interface and features for users to manage their grades and assignments. Synchronized data across all devices.
· Continued development of the application, implementing new features and ensuring bug fixes, resulting in improved user experience and overall functionality.
· Completed a training course and mini project in DevOps and Android Studio, expanding knowledge and skills in the field.
· Utilized various tools, including FIGMA for user flow and wireframe, UML for design, GIT for version control, and DOCKER and Heroku for deployment. Applied Agile methodology to streamline the development process.
· Tools used: FIGMA, UML, GIT, DOCKER, Heroku, Django REST framework, Flutter, Agile.

TUTORING
freelancers   January 2017 – December 2019
· Tutored students in mathematics and physics, developing customized lesson plans and teaching materials to meet individual needs and learning styles.
· Monitoring student progress and provided regular feedback to parents and guardians on areas for improvement and achievement.
· Utilizing creative and interactive teaching methods to engage students and foster a love of learning in STEM subjects.

PROJECTS

AWS-Based DevOps Pipeline Implementation for Angular-Node.js
April 2022 - June 2023
· CI/CD Pipeline Setup: Implemented a CI/CD pipeline using Jenkins for automated building, testing, and deployment of Angular and Node.js applications.
· Containerization with Docker: Utilized Docker containers to package and isolate the application, ensuring portability and consistency across various environments.
· AWS Integration: Leveraged Amazon Web Services (AWS) for scalable infrastructure, hosting, and cloud resources, supporting the entire pipeline.
· GitLab for Source Control: Employed GitLab as the source code management system, enabling efficient code collaboration and version control.
· Monitoring and Visualization: Implemented Grafana to monitor and visualize pipeline performance and application health, proactively detecting issues.
· Automated Testing: Integrated automated testing processes to ensure code quality and reliability before deployment.

WORLD CUP 2022 PREDICTIONS
https://youtu.be/klyiuyguzgQ · August 2022 - September 2022
· Collected football data for input into the prediction model, followed by an Exploratory Data Analysis (EDA) to explore the databases.
· Utilized statistical modeling, machine learning, and feature engineering techniques to create a predictive model.
· Designed a model for predicting the outcomes of international football matches for the FIFA 2022 World Cup.
· Developed an interactive website using Flask to provide real-time predictions to users.
· Hosted the website on AWS (Amazon Web Services) to ensure availability and performance.
· Implemented Python as the primary programming language for all project components.

E-Authentication System Using QR Code & OTP
https://github.com/Omaraitbenhaddi/E-Authentication-System-Using-QR-Code-OTP · October 2021 - February 2022
· Developed a secure online authentication platform using QR codes and OTP (One Time Password) codes to enhance the security of the connection.
· Utilized Django and React frameworks and managed the project using collaboration tools such as Jira and Git in Agile Kanban mode to streamline the development process.
· Encrypted the database using symmetric and asymmetric cryptography as well as hashing to provide a reliable and secure platform for online authentication.
· Dockerized the application with Docker Compose to facilitate deployment and maintenance, reducing time and resources required for these tasks.
· Implemented JWT for secure token-based authentication, providing an efficient and scalable method for user authentication.
· Successfully delivered a high-quality project meeting the client's requirements within the specified timeframe.
· Tools used: REACT, Django REST framework, Jira, Docker, JWT.

COVID-19 Epidemic Modeling in Morocco
preparatory class for the grandes écoles · https://github.com/Omaraitbenhaddi/Mod-lisation-de-propagation-d-un-pid-mie · June 2020 - May 2021
· Launched the project during my first year in preparatory classes as the COVID-19 virus emerged as a severe global threat, initially spreading in China. The escalating stress and anxiety intensified as countries enforced lockdowns, resulting in school closures and strict confinement measures. Daily reports of rising infection numbers heightened concerns.
· Embarked on extensive research to develop a comprehensive understanding of the virus and its propagation dynamics. During this phase, uncovered the SIR model, which proved suitable for modeling the virus's spread. Acquired essential data and statistics from the Moroccan High Commission for Planning (HCP), including their COVID-19 modeling and an impact survey specific to Morocco.
· Augmented HCP data by accessing valuable datasets from the renowned Johns Hopkins University, globally recognized for its contributions to the field of public health. Delved into a study aiming to

determine the virus's incubation period, prominently featured in the Annals of Internal Medicine.

· International Insights: Expanded research to encompass insights from various sources, incorporating a case study of the Diamond Princess cruise ship, extensively covered by NHK, the Japanese public service broadcaster, and reports from the prominent French newspaper, Ouest-France.

EDUCATION

Computer Engineering
INTERNATIONAL ACADEMY OF MOHAMMED 6 FOR CIVIL AVIATION · 2024

CERTIFICATIONS

Oracle Cloud Infrastructure (OCI) Associate
ORACLE
· Preparing for and obtaining the certification typically involves deepening your understanding of Oracle Cloud Infrastructure and its various components. This knowledge can be beneficial in my day-to-day work and problem-solving.

Cisco CyberOps Associate
Cisco · 2022
The certification emphasized skills and knowledge relevant to real-world cybersecurity scenarios. Candidates were expected to demonstrate their ability to understand and respond to security incidents.

INVOLVEMENT

Volunteering on YOUTUBE
YOUTUBE
· Created and managed "Las9 en prepa," an educational YouTube channel to support students in preparatory classes with computer science, math, physics, and engineering.
· Developed engaging videos to help students understand course material and improve their academic performance.
· Collaborated with educators and students to improve content and meet audience needs.
· Monitored and responded to viewer feedback to ensure the content meeting expectations.
· Continuously pursued ongoing learning to offer better support.
· Volunteered significant time and effort to the project to support student success.

SKILLS

Agile (SCRUM / Kanban)

python (Django , sickit learn , pandas , numpy ….)

REACTJS - nodejs

Git - Jenkins - ANSIBLE - Docker - Terraform - Kubernetes

DESING PATTERN

AWS (EC2 , S3 , VPC , IAM , CloudFront , Amazon Route 53 , ECS , EKS , CloudWatch)

AZURE

Websocket , Rest Full

JAVA AND JEE