

OUSSAMAERRAZI, SOFTWARE ENGINEER

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[Portfolio](#)

ÉDUCATION

Software Engineering Degree

National School of Computer Science and Systems Analysis - ENSIAS

Sept 2021 - Jul 2024

Rabat, Morocco

Mathematics and Physics - MP Branch

CPGE Preparatory Classes for High Engineering and Business Schools Med Reda Slaoui

Sept 2019 - Jul 2021

Agadir, Morocco

WORK EXPERIENCE

Software Dev Engineer Intern

AWS

February 2024 - August 2024

Rabat, Morocco

- In application modernization projects, the client provides data samples to test the modernized system against the legacy version. However, these samples often do not fully cover the entire codebase, leaving gaps in testing critical scenarios.
- I was tasked with creating a tool to generate additional test data to achieve full test coverage for equivalence testing.
- I developed a tool that analyzed the code, identified gaps, and generated the missing test data to cover all scenarios automatically.
- This tool ensured full coverage, enabling accurate equivalence testing and validating the modernization process.

Tools and Technologies: Java, Python, Git, AWS Cloud, Jacoco.

Software Development Intern

L'ODJ Media

July 2023 - September 2023

Rabat, Morocco

- Journalists face pressure to produce timely, engaging content, with traditional manual processes being too slow and resource-intensive. We developed an AI platform to automate content generation (text, images, videos), significantly boosting efficiency.
- Development of a real-time AI-enhanced news article generation platform.

Tools and Technologies: Angular, Spring Boot, APIs (Feedly, Amazon Polly, OpenAI, DALL-E), Flask, Git, GitHub, Docker.

Artificial Intelligence Development Intern

Technocolabs Softwares

August 2022 - September 2022

Remote

- Built a model to predict whether a song will be skipped by the user on Spotify, aiding in improving the recommendation system.

Tools and Technologies: Python, Django, Git, GitHub, Heroku.

TECHNICAL SKILLS

Programming Languages

Java, Python.

Web Development

JavaScript, HTML, CSS, Node.js, Angular, Spring Boot.

Databases

Oracle SQL, Postgres, PL/SQL.

Design

UML, Merise.

Project Management

Agile, Jira.

Mobile Development

Android Studio.

DevOps

Git, Jenkins, Docker.

LANGUAGES

Arabic (Native Language), English (Proficient), French (Fluent).

PROJECTS

Design and implementation of an electric cars rental website: Developed a full-stack website for electric car rentals using Spring Boot and React. Automated CI/CD pipelines with Jenkins and Docker for seamless deployment.

Design and implementation of a mobile application: Created a mobile application to manage events for ENSIAS school clubs using Android Studio and Java and Firebase.

Design and implementation of a management platform: Developed a web application to streamline management processes for a research institution. Utilized Merise methodology, Oracle APEX, and Oracle SQL for efficient data handling.

Implementation of a deployment architecture: Implemented a scalable 3-tier architecture using AWS Cloud services.