OUSSAMA ERRAZI

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errazi111@gmail.com **Software Engineer** https://github.com/noro129

ÉDUCATION

Software Engineering Degree Sept 2021 - Jul 2024
National School of Computer Science and Systems Analysis - ENSIAS *Rabat, Morocco*

Mathematics and Physics - MP Branch Sept 2019 - Jul 2021
CPGE Preparatory Classes for High Engineering and Business Schools Med Reda Slaoui *Agadir, Morocco*

WORK EXPERIENCE

Software Dev Engineer Intern February 2024 - August 2024
AWS *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 July 2023 - September 2023
L'ODJ Media *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 August 2022 - September 2022
Technocolabs Softwares *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, NodeJs, 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.