Oussama Errazi

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EDUCATION

National School of Computer Science and Systems Analysis ENSIAS — **Rabat, Morocco**
Software Engineering Degree — *2021 – 2024*

Preparatory Classes for Engineering Schools CPGE Reda SLAOUI — **Agadir, Morocco**
Mathematics and Physics - MP Branch — *2019 – 2021*

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

WORK EXPERIENCE

Software Dev Engineer Intern
AWS, Rabat, Morocco — *February 2024 - August 2024*

- 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 & Technologies: Java, Python, AWS Cloud, Jacoco.

Software Development Intern
ODJ Media, Rabat, Morocco — *July 2023 - September 2023*

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

Artificial Intelligence Development Intern
Technocolabs Softwares, Remote — *August 2022 - September 2022*

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

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

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.