

YASSINE MOUDDENE

Junior Software Engineer

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Education

International University of Rabat

Computer Engineering Program, specializing in ISI (Information Systems Engineering)

Sep 2021 – May 2024

Rabat, Salé

International University of Rabat

Integrated Preparatory Classes

Sep 2019 – May 2021

Rabat, Salé

Experience

AC2I | Assistant Engineer Internship

June 2023 – July 2023

Python, Django, Celery, Typescript, React, Vite, PostgreSQL, Redis, Docker

Rabat, Hassan

- Developed a web app using **Django** and **React**, that would let the company internally manage and track all their resources, expenses, and transactions
- Utilized **machine learning** models such as **FB Prophet** to provide predictions on the companies revenue for the next 12 months, to help guide the companies future endeavours.
- Utilized **Celery** and a **dockerized** instance of **Redis** to manage and schedule recurring tasks dynamically
- Modified and Extended the Open source project management application "OrangeScrum" to allow more task states

Redal | Security Technician Internship

June 2022 – august 2022

MITRE ATT&CK, Cis Benchmarks

Rabat, HayRiad

- Helped in designing a network monitoring system, to scan in real time the companies network and servers for any inconsistencies, and fasten attack response time
- Utilized **MITRE ATT&CK** matrix to classify and identify security gaps and prioritize mitigation measures based on risk
- Configured Machines to be Compliant with **Cis Benchmarks** secure configuration guidelines to safeguard them against cyber attacks

SQLI | Initiation Internship

June 2021 – July 2021

Java, Spring, Spring Security, Thymeleaf, Maven, PostgreSQL

Rabat, HayRiad

- Developed a e-commerce application using **Spring** with **Thymeleaf** an a **Postgres** database for data perssistance
- Familiarized myself with version control using **Git** and **GitHub**, and **Agile** project management with **JIRA**

Projects

Comic Book Progressive Web App | React, Tailwind, GraphQL

October 2023

- Used **Tailwind** to create a mobile focused user interface
- Consumed the public AniList **GraphQL API**
- Scrapped Content from aggregate websites using **Cheerio** and bypassed Cloudflare protection.
- Tracked User Library and progress using cookies

Club And Event Management App | Java, Spring, Spring Security, PostgreSQL, Vite, React

January 2023

- Implemented **Role Based Access Control** in the front end using protected routes, and in the back end using **Spring Security**
- Integrated Automated Emailing Using **Java mail** and google's public smtp server
- Utilized version control to work simultaneously with other contributors using the **Git Flow** methodology
- Improved **Rest APIs** performance using server side **caching** in **Spring** and pagination

Internship Management App | Java, Spring, Spring Security, PostgreSQL, React, Tailwind

October 2022

- Secured **API** endpoints using **Spring security** with **JWT** authentication and role based authorization
- Utilized **tailwind** to create custom **react** components, and built a **responsive UI**
- Implemented **object-oriented programming** practices such as inheritance to create different account types and databases

Technical Skills

Languages: Java, Python, C/C++, HTML/CSS, JavaScript, SQL, TypeScript, Go

Tools: VS Code, JetBrains IDEs, Android Studio, Gradle, Maven, Docker, Git, Jira, PostgreSQL, MySQL, Redis

Frameworks: Spring, Django, React, Angular, Next, ReactNative (Expo),

Software Quality/Testing: Design Patterns, Junit, Mockito, Jenkins, Sonarqube, EsLint

Skills

Linguistics: Fluent English, Fluent French, Fluent Arabic

Soft skills: Teamwork, Initiative, Stress Management, Analytical Thinking