

Mohamed RAHMANI

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SUMMARY

Interested in backend development and autonomous systems, with experience/projects in Python, Java, REST APIs, Docker, and CI/CD. I am looking for a 4-month internship starting in May 2026.

EDUCATIONS

Master Ingénierie logicielle, Université Paris-Saclay

Sep 2025 - Jun 2027

Cours: Distributed Systems, Object-oriented software design, Statistics, Data Analysis

BUT Informatique, Université Sorbonne Paris Nord

June 2025

Cours: Systems Design, Network, Data Structures and Algorithms, OOP

WORK EXPERIENCE

HALIL

Jun 2025 - Sep 2025

Software Development Intern

Paris, France

- Designed and deployed an internal web application for the sales team, with a **NextJS** frontend application, a **Spring Boot REST API**, and a **PostgreSQL** database deployed on **SupaBase**.
- Developed and integrated a geolocation service based on the **OpenStreetMap API**, improving route planning and reducing customer goods preparation time.
- Implemented stateless authentication via **JWT** to secure **100% of API endpoints**

M&M

Jan 2024 - Mar 2024

Frontend Developer Intern

Villetaneuse, France

- Developed the frontend of an e-commerce website by translating UX needs and best practices into e-commerce.
- Creating reusable user interface components with HTML, CSS, JavaScript and LIQUID
- Improved page load performance and rendering efficiency by optimizing the DOM structure and resource loading, achieving an SEO score of 100.

PROJECTS

MyFridge | [Source Code](#)

Python | FastAPI | React Native | SQLite | MongoDB

- Designed a mobile application to track food products and expiration dates in order to reduce household waste, with **Expo + React Native** and a local **SQLite** database for guest users.
- Designed and developed a **REST API** with **FastAPI** and a **MongoDB** database, including management of connected users, products, and **Swagger** documentation

Vizucar | [Source Code](#)

Python | Java | Spring Boot | ReactJS | MongoDB | AWS

- Developed a **REST API** with **Spring Boot**, connected to a **MongoDB** database for data management.
- Automated data collection by creating a **Python** bot (**Selenium**), accelerating the creation of the car dataset
- Design and development of a Windows and Linux application using **ElectronJS**, **ReactJS**, **Typescript** and **Figma**
- Deploying **Docker** containerized applications on a Linux virtual machine in the cloud with **AWS EC2**

SKILLS

Languages: Python, Java, Typescript, C++, SQL

Developer Tools: VS Code, IntelliJ, Linux, AWS, Postman, Git, Docker, Jenkins

Libraries/Frameworks: Pandas, Numpy, Scikit-learn, FastAPI, Spring Boot, ReactJS, NextJS, PostgreSQL, MongoDB

LANGUAGES

French: Native Language, **English:** CLES - Professional, **Berber(Chleuh):** Bilingual, **Arabic:** A2

CERTIFICATION

Machine Learning Specialization, DeepLearning.AI & Stanford Online, December 2025