Aicha Oukdour

CasaBlanca.   +212656034538   aichaoukdour02@gmail.com   Portfolio   Git

Engineer of Information and Communications Systems, Networks, Computer Science and Embedded Systems option. I am currently seeking opportunities to build expertise in backend, frontend, full Stack, IA, UI/UX design and development. You can explore my projects and code on my portfolio and GitHub profile:

PROFESSIONAL EXPERIENCE

Internship – User Management & Subscription Service – Microservice Architecture

Company: Lotus Capital

August 21 – Janvier 30 2026, Casablanca

- Designed and implemented a **microservice for identity, authentication (JWT, OAuth2)**, and **subscription quota management**.
- Defined **PostgreSQL schema** with Flyway for users, subscriptions, and external authentication providers.
- Developed internal REST APIs for **/register**, **/login**, **/validate-token**, and **/quotas** endpoints.
- Integrated **caching (Redis/Caffeine)** for high-performance token validation (<20ms latency).
- Implemented **scheduled workers** for quota resets and **atomic quota decrement** operations via SELECT ... FOR UPDATE.
- Delivered the full service using an **Agile 5-sprint plan**, including testing, Docker setup, and performance optimization (>1000 req/s). **Stack:** Java 17, Spring Boot 3, Spring Security 6, PostgreSQL, JWT, Redis, Docker

EoSI – Implementation of an AI solution for automating the analytical request processing chain

Company: INWI

February 1 – August 03, 2025, Casablanca

- Implementation of an AI solution to automate the processing of analytical requests sent by email.
- Used **Python**, NLP, and LLMs to convert natural language into SQL queries.
- Built a web interface and chatbot
- Improved response speed and made data more accessible to business users.

Freelance – Developing a notification microservice system for their plate-form "Recruit.ai Maroc"

Company: Recruit.ai

February 1 – Mai 30, 2025, Casablanca

- Implementation of a Full stack notification service system.
- Technologies: Spring boot, Thymeleaf, PostgreSQL, RabbitMQ, Docker.

Internship – CDR data quality controls

Company: INWI

July 1 – August 30, 2024, Casablanca

- Implementation of a quality control system in a Big Data environment.
- Technologies: Hadoop, Cloudera, Kafka/NiFi, Spark, Python, SQL, Apache Superset**.**

Observation internship – SaaS model
Company: Overflow Digital Solutions

August 2023, Rabat

- Analysis of SaaS architectures and cloud infrastructures.
- Joined the team to study SaaS deployment models.

DIPLOMAS & TRAINING

Engineering degree in Computer Systems and Communication
ENSAJ – 2022 – 2025

Integrated preparatory classes
ENSAJ – 2020 – 2022

SKILLS

- Figma, UI/UX, React Native, Expo, Flutter, Android.
- Full Stack Development: Vaadin, React.js, React Native, Spring Boot, JPA, Hibernate, JWT, Rest, Node.js, Express.js, Gsap animation, Vue.js
- Databases: Oracle, MySQL, PostgreSQL, Firebase, DevOps: Docker, CI/CD, vercel
- Big Data: Hadoop, Spark, Kafka/NiFi, HDFS, IA: GPT, GEMINI, QUEEN, CLAUDE….
- Soft Skills: Team spirit, adaptability, project management, and leadership, problems solvings

LANGUAGES

Amazigh and **Arabic:** mother tongue   **French:** professional use   **English:** intermediate level