



ZAKARIA OUMGHAR

Final Year Software Engineering Student at ENSIAS | Full-Stack Developer Spring Boot & MERN and Browser Extension Developer

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EDUCATION

National School of Computer Science and Systems Analysis (ENSIAS), Rabat

2023-Present

Engineering Degree in Software Engineering

Preparatory Classes for Grandes Écoles (CPGE), Settat

2021-2023

Scientific Preparatory Classes

Top 20%

PROFESSIONAL EXPERIENCE

Univers Gharb de la Prestation (UGP), Rabat

June - August 2025

Full-Stack Software Engineering Intern

Hybrid

- Design and development of a **multi-role web platform** for industrial surface treatment services management with secure authentication and real-time order tracking.
- Development of a **Spring Boot microservices** backend and a **React + TypeScript** frontend with analytical dashboards, notifications, and modern glassmorphism interface.
- Containerization and deployment on **Oracle Cloud** using Docker and **automated CI/CD workflows**.
- Stack:** Java • Spring Boot • React.js • TypeScript • PostgreSQL • Docker • OCI • Bash

Somap&Service, Kenitra

July - August 2024

Full-Stack Software Engineering Intern

Hybrid

- Development of a **complete digital solution (GAP)** for procurement tracking and personnel management.
- Design and implementation of a **full-stack web application** using React.js, Tailwind CSS, Node.js, and MySQL.
- Collaboration with stakeholders to identify requirements and design an **intuitive and user-friendly interface**.
- Stack:** React.js • Tailwind CSS • Framer Motion • MySQL • Node.js • Express

PROJECTS

OurBusWay — Urban Transportation Digitalization Platform

2025

- Comprehensive urban transportation management platform enabling **ticket purchase, subscription management, real-time bus tracking**, and incident management.
- Secure Stripe payment** system with asynchronous transaction processing and automatic passenger notifications.
- Multi-user interface with dedicated dashboards: **passengers** (ticket/subscription purchase), **drivers** (route management), **controllers** (ticket validation), **administrators** (global management).
- Spring Boot/Cloud microservices** architecture with 8 backend services, **RabbitMQ** event-driven communication, **React + TypeScript** frontend, and **PostgreSQL** database.
- Stack:** Spring Boot 3.4 • Spring Cloud • PostgreSQL • RabbitMQ • React • TypeScript • Stripe API • Consul • Docker • JWT

ENSIAS Department Management

2025

- Development of a **modern application** for visualization and management of departments at ENSIAS.
- Microservices-oriented** architecture with Docker containerization and **CI/CD via GitHub Actions**.
- Stack:** Spring Boot • React.js • Docker • PostgreSQL • Tailwind CSS • Framer Motion • Node.js • Express

Student Interface for Internship Applications

2024

- Platform connecting **students** and **recruiters** for internship applications, using **Oracle DB on OCI**, React, and Node.js (Express.js).
- Includes an **admin dashboard in Oracle APEX** for statistics and two web interfaces for students and recruiters. All modules share the same **centralized cloud database**.
- Stack:** React.js • Node.js • Express.js • Oracle DB • OCI • Oracle APEX

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, C++, Python, C, PHP, SQL/PL-SQL

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Framer Motion

Backend: Node.js, Express, Spring Boot, Flask

Databases: MySQL, PostgreSQL, Oracle DB, MongoDB

DevOps: Git, Docker, CI/CD, OCI, Bash, Linux

Design: Adobe XD/Illustrator, Figma, UML, MERISE, Agile

CERTIFICATIONS

React (Basic) – HackerRank

Problem Solving (Basic) – HackerRank

Responsive Web Design – freeCodeCamp

JavaScript (Intermediate) – HackerRank

AI Analyst – IBM

LANGUAGES

English – Professional proficiency

French – Professional proficiency

Arabic – Native language

INTERESTS

Sports – Roller skating and bodyweight exercises

Chess – Strategic thinking

Gaming – Video games