ZAKARIA OUMGHAR

2nd Year Software Engineering Student — ENSIAS | Full-Stack & Extension Developer | Spring Boot & MERN Stack Enthusiast

📞 +212-619665220 ✉ zakariaoumghar1@gmail.com ⭘ github in linkedin 🌐 e-Portfolio

EDUCATION

National School of Computer Science and Systems Analysis (ENSIAS), Rabat 2023-Present
Software Engineering

Preparatory Classes for Engineering Schools (CPGE), Settat 2021-2023
Preparatory Classes for Engineering Schools Top 20%

PROFESSIONAL EXPERIENCE

Somap&Service, Kénitra July - August 2024
Software Engineering Intern Hybrid
- Development of a complete digital solution (GAP) for purchase 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 needs and deliver a user-friendly interface

PROJECTS

ENSIAS Department Management [GitHub] 2025
Microservices Web Application
- Development of a modern application for visualizing and managing departments at ENSIAS
- Microservices-oriented architecture with Docker containerization and CI/CD via GitHub Actions
- **Tech:** Spring Boot, React.js, Docker, PostgreSQL, Tailwind CSS, Framer Motion, Node.js, Express

Nova Pioneers – Space Learning Platform [Github] 2025
Microservices Educational Platform
- Development of a gamified educational platform about space for children, parents and teachers
- Microservices architecture with Spring Boot (Auth, API Gateway, Courses, Parent-Child)
- XP system, gamified progression, personalized dashboards, NASA API integration
- **Tech:** Java 21, Spring Boot, React 19, PostgreSQL, Docker, Tailwind CSS, Framer Motion, GitHub Actions

UM5 Notes Calculator [Demo] 2025
Academic Chrome Extension
- Creation of an official extension for Mohammed V University student portal (etu.um5.ac.ma)
- Automatic calculation of general and semester averages with advanced logic (Session 1, retake, validation, etc.)
- Modern interface with grade highlighting, blue-themed design, and on-demand activation
- 100% local processing without data collection; over 50 active users
- **Tech:** JavaScript, Chrome Extension API, HTML, CSS

Purchase and Personnel Management (GAP) [GitHub] 2024
Web Application
- Development of a full-stack application to manage employee records and purchase requests
- Differentiated access features for administrators and managers
- **Tech:** React.js, Tailwind CSS, Framer Motion, MySQL, Node.js, Express

ENSIAS Chatbot [GitHub] 2023
AI Web Chatbot
- Creation of an AI-based virtual assistant to answer ENSIAS students' questions
- Use of NLP with NeuralIntents for natural language understanding
- **Tech:** Python, Flask, NeuralIntents, HTML, CSS, JavaScript

TECHNICAL SKILLS

Programming Languages: JavaScript, Typescript, Java, C++, Python, C, PHP, SQL/PL-SQL
Web Development: React.js, Next.js, Node.js, Express, Tailwind CSS, Bootstrap, Framer Motion, Flask, Spring boot
Databases: MySQL, PostgreSQL, Oracle DB, Firebase, MongoDB
DevOps & Tools: Git, GitHub, Docker, VS Code, Apache, Tomcat, Oracle Cloud Infrastructure
UI/UX Design & Modeling: Adobe XD, Figma, UML, MERISE

CERTIFICATIONS

Oracle Java SE 21 Certification - In Progress
Oracle Cloud Infrastructure Certification - In Progress
Artificial Intelligence Analyst Certificate - IBM
Problem Solving (Basic) Certification - HackerRank
Responsive Web Design Certification - freeCodeCamp
JavaScript (Intermediate) Certification - HackerRank
SQL (Intermediate) Certification - HackerRank

LANGUAGES

English - Professional level
French - Professional level
Arabic - Native language

INTERESTS

Calisthenics - Strength training and bodyweight exercises
Chess - Strategic thinking and mental challenge
Digital Media - Reading manhwa and video games