Monsif SOURI

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SUMMARY

Recent software engineering graduate with solid experience in full-stack development and machine learning. Actively seeking opportunities to start my career within dynamic teams working on innovative web applications. Strong technical skills in modern web technologies and AI applications.

WORK EXPERIENCE

Public Transport Management Application with AI (PFE Internship - Software Engineer)　　　Mar 2025 – Sep 2025

– Contributed to authentication via Microsoft SSO, password recovery, and implementation of a dynamic role management system.
– Participated in developing a publication planning system and a broadcast API using Protocol Buffers.
– Created and improved responsive, mobile-adapted UIs using TanStack Query, Material UI, and Zustand.
– Followed Scrum methodology for iterative development and team collaboration.

Software Engineering Intern　　　Jul 2024 – Aug 2024

– Developed a web application for automated generation of CPS (Special Prescriptions Notebooks).
– Automated the report generation process to reduce errors and optimize delivery timelines.

Freelance Full Stack Developer　　　Sep 2023 – Jul 2025

– Performed data extraction, client prospecting, negotiation, and development of scalable web and mobile applications.
– Managed end-to-end project delivery from requirements gathering to deployment.

PROJECTS

AI Skin Analysis Application　　　Demo

Trained YOLO and ResNet models on cleaned, labeled, and augmented datasets to detect skin issues (acne, wrinkles , ...) and classify skin types. **Tech:** Python, Flask, Next.js, Vercel, YOLOv11, RoboFlow, Shopify SDK, TailwindCSS, Supabase

Car Rental Web Application　　　GitHub

Intuitive car rental platform with reservation and customer management. **Tech:** React.js, Axios, SQL Server, Spring Boot, PostgreSQL

E-commerce Microservices App　　　GitHub

Implemented order, product, and secure payment services using microservices. **Tech:** Spring Boot, Angular, PostgreSQL, Docker, REST API

Book Recommendation System (Agile/Scrum)　　　GitHub

Django app with data cleaning, preprocessing, and NearestNeighbors model. **Tech:** Python, Django, MySQL, Scikit-learn, Pandas, Jira

HACKATHON PROJECTS

Smart Cities – Public Lighting Monitoring　　　GitHub

Java mobile app and Next.js admin panel with real-time monitoring via Firebase. **Tech:** Java Mobile, Next.js, Firebase, YOLOv8

Orbis House – Solana Arbitrage Bot　　　Demo

Designed a Solana arbitrage bot using smart contracts. **Tech:** TypeScript, Next.js, Solana, Web3.0

Radiology Vision AI – IEHF Hackathon 2024　　　Demo

AI platform for super-resolution and artifact detection in radiology. **Tech:** CNN, Autoencoder, TensorFlow, Flask, Next.js

EDUCATION

2022–2025	Engineering Cycle in Computer Science and Networks, MIAGE option | **École Marocaine des Sciences de l'Ingénieur**
2021–2022	Bachelor's Degree in Computer Development | **Faculty of Sciences, Ain Chock**
2019–2021	Diploma of Specialized Technician in Computer Development | **OFPPT NTIC1, Casablanca**

SKILLS

Languages	Java (JEE, Mobile), Python, .NET (C#), TypeScript, JavaScript, Dart, C, C++, PHP, BASH
Frameworks	Spring, Spring Boot, React.js, Next.js, Django, Tailwind CSS, Flutter, Angular, JUnit, Mockito, SOAP, REST
Databases	SQL Server, Oracle, MongoDB, MySQL, PostgreSQL, PL/SQL, SQL Optimization
AI/Data	Pandas, Scikit-learn, YOLOv11, OpenCV, CNN
Tools	Agile, Scrum, Jira, Trello, Git, Docker, Firebase, Azure DevOps, Kafka, Postman
Languages	English (Fluent), French (Fluent), Arabic (Native)

ADDITIONAL INFORMATION

Certificates	Introduction to Git/GitHub (Google, 2024), Basics of React (Meta, 2024), Java OOP (UPenn, 2024), Python for Everybody (UMich, 2023)
Interests	Weightlifting, Video Games
Soft Skills	Adaptability, Team Spirit, Curiosity, Attention to Detail, Self-Learning