



SAKHR Niama

Software & Data Engineer

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Passionate engineering student with strong skills in **Full-Stack Development**, **DevOps** and **Data Engineering**. Experienced in modern apps, microservices, CI/CD automation and Big Data pipelines. Curious, fast learner, and committed to delivering high-quality solutions.

Education

National School of Applied Sciences (ENSA) — El Jadida, Morocco 2023 – Present
Engineering Degree in Computer Engineering and Emerging Technologies (2ITE)

Preparatory Classes (CPGE Moulay Al Hassan) — Morocco 2021 – 2023
Mathematics and Physics

Professional Experience

Full Stack Developer Intern — GMD, Tangier Summer 2025
*Developed **StageLink**, an end-to-end internship management platform. Implemented core modules for offers management, applications, selection, and monitoring. Integrated a chatbot for user interaction and built a compatibility analysis system to match internship offers with user CVs using NLP techniques. Tech: React.js, Spring Boot, MySQL, Python (NLP), Rasa.*

Web Developer Intern — GMD, Tangier Summer 2024
Designed and built an inventory management web app. Delivered responsive UI and automated reports. Tech: React.js, C# .NET, SQL Server.

Academic & Personal Projects

Emotion Detection Mobile App with Chatbot

Goal: Real-time analysis of users' emotions from facial expressions.

Contributions: Facial recognition pipeline, chatbot for emotional support, optimized mobile processing.

Tech stack: Android (Java), Python, Spring Boot, ML APIs.

Exam Management System with Facial Recognition

Goal: Automate exam scheduling and attendance tracking.

Contributions: Secure login via facial recognition, dashboards for attendance, automated scheduling.

Tech stack: Python, PHP, Laravel, OpenCV.

ExamMaster — Intelligent Exam Management Platform

Goal: Complete solution for planning, monitoring, and managing exams.

Contributions: Scheduling algorithms with constraints, security modules, admin dashboards.

Tech stack: Java, Spring Boot (MVC), Spring Security, MySQL.

Business Intelligence Project (Automotive Data)

2022

Goal: Work on a real automotive dataset to analyze vehicle-related information (sales, performance, fuel consumption).

Contributions: Collected and cleaned raw car data, built ETL pipelines for data integration, extracted key performance indicators (KPIs), and created interactive dashboards for decision-making support.

Tech stack: Pentaho, Talend, Qlik, SQL.

ExcelliaBourse — Scholarship Management (DevOps)

Goal: Manage scholarships with scalable DevOps infrastructure.

Contributions: Automated deployments (CI/CD), containerization, infrastructure as code.

Tech stack: Next.js, Spring Boot, Jenkins, Kubernetes, AWS, Terraform, Ansible.

Skills

Languages	Java, Python, C#, JavaScript, SQL
Development	ReactJS, Next.js, React Native, Android (Java/Kotlin), Spring Boot
Databases	MySQL, MongoDB, Cassandra, SQL Server
Data / BI	Power BI, Talend, Pentaho, Qlik, Superset
Big Data	Hadoop, Spark, Kafka
DevOps / CI/CD	Git, GitHub, Jenkins, Ansible, Terraform
Cloud	AWS, Azure
Containers	Docker, Kubernetes

Certifications

AWS Academy Cloud Foundations

AWS Certified Developer – Associate

AWS Certified Solutions Architect – Associate

Languages

Arabic — Native

French — Fluent

English — Fluent