



SIHAM KALACH

DIGITAL TRANSFORMATION SPECIALIST

Passionate about IT and innovation, I blend creativity, analytical thinking, and strong design sense to build secure, scalable, and elegant digital solutions. I have a curious mind, strong communication skills, and a deep interest in learning, problem-solving, and proposing logical, long-term solutions.



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FORMATION

ENGINEERING | DIGITAL TRANSFORMATION AND AI

National School of Applied Sciences,
Al-Hoceima
2021 – 2026

BACCALAUREATE IN PHYSICAL SCIENCE

Salouane El Hassani High School
2020 – 2021

SKILLS

FRONTEND

React.js, HTML5, CSS3, Bootstrap, Js (ES6)

BACKEND

Django (Python), Django REST
Framework

DATABASE MANAGEMENT

PostgreSQL, MySQL, MongoDB, Firebase

TOOLS & METHODOLOGIES

Git, Docker, Postman, JIRA, Scrum,
Kanban

CLOUD SERVICES

AWS : S3, EC2, Route 53, RDS, Lambda,
CloudFront, CloudWatch ...

LANGUAGE

Arabic: Native language
French: Professional level
English: Professional level

CERTIFICATIONS

Solutions Architect Knowledge Badge
– AWS
Migrating to the AWS Cloud
– Coursera & AWS
React Basics Certificate – Meta
Python for Data Science, AI &
Development – IBM

EXPERIENCE

FULL-STACK DEVELOPMENT & PRODUCT ANALYSIS INTERN

HONEST MEDIA | July 2025 – September 2025

- Conducted market research and benchmarks (national & international) to evaluate existing no-code solutions and identify opportunities for Moroccan SMEs.
- Authored Product Requirement Documents (PRD) and Technical Documentation, translating business needs into technical specifications.
- Designed UML diagrams (use case, class) to formalize system conception and architecture.
- Developed the frontend (React) and backend (Django), implementing core features of the platform.
- Actively participated in project management meetings, contributing to requirement refinement, feature prioritization, and milestone planning.

FREELANCE WEB DEVELOPER

FIVERR | September 2024

- Upgraded application performance by replacing the eval() function with AJAX and debugging critical issues using JS and PHP.

WEB DEVELOPER INTERN

3D SMART FACTORY | July 2024 – September 2024

- Assisted in the development of 3D processing applications using Django, React, Three.js and Trimesh.
- Simplified file.obj processing, coloring, and visualization tasks.

KEY PROJECTS

Fashionista

- Full-stack fashion e-commerce store
- Built with React + Django REST
- Includes a K-Means ML model for personalized product recommendations
- Deployed using AWS EC2, RDS, S3, CloudFront, and CloudWatch
- Used Nikto to detect vulnerabilities, applied necessary patches, and ensured secure hosting

2WatchM

- Movie recommendation system
- Built with React, Django, and TensorFlow Recommenders
- Personalizes movie suggestions using viewing history

For more projects:

Check out my GitHub: github.com/sihamkalach

And my YouTube channel: youtube.com/sihamkalach