





SAMI RHALIM

Computer Science and Networks Engineer

CONTACT

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Skills

- **Programming Languages** : Java, Python, JavaScript, PHP, C#
- **Frameworks** : Spring Boot (Spring Security, Spring Cloud, Spring AI, Spring Batch, Redis), Laravel & .NET
- **Web & Mobile Development** : HTML, CSS, Bootstrap, Tailwind, Flutter, React Native, Angular, React.js & Redux
- **Architecture & Back-end** : Microservices, API REST & GraphQL, Redis Cache, Spring Batch, Résilience (Circuit Breaker, Retry, Fallback)
- **Messaging Systems** : Kafka, RabbitMQ
- **Databases** : MySQL, PostgreSQL, SQL Server
- **Outils & Technologies** : Git, Github, BitBucket, Docker, Jenkins, Postman, Insomnia, IntelliJ IDEA, Swagger, Trello, Jira
- **Tests** : JUnit, Selenium
- **Methodologies**: DevOps, Scrum, agile

Certifications

- IBM Full Stack Software Developer
- Meta Advanced React
- Spring Data Repositories – LearnQuest
- Spring MVC, Spring Boot et Rest Controller – LearnQuest
- Building Scalable Java Microservices with Spring Boot and Spring Cloud – Google Cloud
- Cloud Computing – IBM
- React Native – Meta
- Full Stack Software Developer Assessment - IBM
- Python for Data Science, AI & Development - IBM
- Developing AI Applications with Python and Flask - IBM
- Application Development using Microservices and Serverless - IBM

Professional Summary

Junior Full Stack Engineer specialized in Spring Boot (Security, Cloud, AI), React.js, Angular, Flutter, and scalable microservices architectures with distributed caching mechanisms.

I design robust, secure, and high-performance web and mobile applications.

Strong command of Kafka, RabbitMQ, and solid experience in machine learning applied to distributed systems.

Graduated from EMSI, autonomous, detail-oriented, and passionate about technological innovation.

Education

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| Moroccan School of Engineering Sciences (EMSI) – Casablanca | 2023-2025 |
| • Engineering Degree in Computer Science and Networks, specializing in MIAGE (Computer Methods Applied to Business Management) | |
| Private University of Marrakech (UPM) – Marrakech | 2021-2022 |
| • Professional Bachelor's Degree in Computer Engineering | |
| Advanced Technician Diploma (BTS) – Laâyoune | 2018-2020 |
| • Advanced Technician Diploma (BTS) in Information Systems Development (DSI), focused on software design and implementation. | |
| Higher School of Technology – Laâyoune | 2017-2018 |
| • 1st Year in Biological Engineering | |
| High School Diploma – Laâyoune | 2016-2017 |
| • Scientific Baccalaureate with a focus in Physics and Chemistry | |

Professional Experience

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|---|--------------------------------|
| HPS – Casablanca – Final Year Internship | 05/03/2025 - Present |
| • Design and development of an intelligent and secure e-Banking platform for advanced VISA card management, built on a microservices architecture (Spring Boot, Spring Batch, Kafka, Redis, Vector PostgreSQL). Integrated a GPT-4o chatbot with RAG , an OAuth2/JWT -based security system, and an NLP model for transaction classification. Connected to the PowerCARD banking solution via IBM WebSphere with real-time data exchange management with kafka . Web and mobile interfaces developed using React.js , Redux , and Flutter . | |
| Vinci Energies Axians - Casablanca - Internship | 01/07/2024 - 01/09/2024 |
| • Designed and developed a web application for inventory and user management (with role-based access) at Vinci, integrating an AI chatbot powered by LLMs , RAG , and PVG stores . Tech stack: Spring Boot (Spring Security, JWT, Spring AI), React.js, TypeScript, and MySQL. Developed REST APIs and integrated AI models. | |
| ARCHIRODON PHOSPHATE PORT – Laâyoune IT | 28/09/2022 - 01/10/2023 |
| Support Technician | |
| ALSASEL SARL - Laâyoune - InternshipPractical | 01/07/2022 - 01/09/2022 |
| Internship in Web Development | |
| • Designed and developed a responsive stock management website using HTML, CSS, Bootstrap, and JavaScript for the front-end, and Laravel for the back-end. | |
| PHOSBOUCRAA (OIB/H/D/G) GROUPE OCP S.A – Laâyoune - Orientation Internship | 08/07/2019 - 08/08/2019 |
| • Designed and developed an employee management application in VB.NET , featuring a connected mode architecture and a user interface also built with VB.NET. | |