




Fily Mohamed Sakine

Software Engineer

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 Fily Mohamed Sakine  MrSakine

PROFILE

Full-stack developer specialized in API development using Firebase, Django REST, Node.js, Spring Boot, NestJS, and Flutter, combined with strong expertise in UML design and a keen analytical and problem-solving mindset.

EDUCATION

Software Engineering Certificate, ALX Africa

08/2023 – 07/2024

Specialization in Software Development and Agile Project Management

- Programming in C, Python, and JavaScript/TypeScript
- Database administration and DevOps practices

Bachelor's Degree in Software Engineering,

10/2019 – 07/2022

Faculty of Science and Technology of Bamako

- Graduated with a cumulative GPA of 16/20 (*Très Bien – Very Good*)
- **Key Courses:** Algorithms, Databases, Web/Mobile Development

EXPERIENCE

Orange Mali, Full-Stack Engineer

12/2024 – 05/2025 | Bamako, Mali

- Developed RESTful APIs using Spring Boot and NestJS, with MySQL as the relational database.
- Implemented API documentation using Swagger/OpenAPI standards.
- Secured endpoints with JWT (JSON Web Token) for authentication and role-based access control.
- Designed and integrated event-driven systems to enable asynchronous and decoupled processing between services.
- Facilitated inter-service communication using Feign Client within a microservices architecture.
- Applied advanced use of decorators (especially with NestJS and Spring Boot) to enhance classes and methods with cross-cutting concerns such as validation, logging, and guards.
- Developed user interfaces with Flutter, including managing API calls to efficiently interact with the backend.

Wassa Technologie, Fullstack Engineer

08/2022 – 01/2024 | Bamako, Mali

- Developed RESTful APIs with Spring Boot and MySQL, following best architectural practices (controller/service/repository layers).
- Implemented client request and response handling using DTOs to ensure clear and secure communication between frontend and backend.
- Created a generic response class to standardize API outputs and centralize error handling.

- Contributed to UI/UX improvements by collaborating with the frontend team and leveraging user testing feedback to refine user flows.
- Implemented the user interface using Flutter, including managing API calls to communicate with the backend.
- Developed the Animara management system using Angular: Animara demo [↗](#)
- Built a dating app called Karrou with Flutter, integrating comprehensive matchmaking features.



TECHNICAL SKILLS

Mobile

Flutter | React Native | Kotlin

Web

React.js | Vue.js | Angular | JavaScript/TypeScript

Backend/DB

Firebase | Django REST | Node.js/Express | Spring boot
| MYSQL | MongoDB

Outils

Git/GitHub | Figma (UI/UX) | VS Code | IntelliJ



LINKS

GitHub — <https://github.com/MrSakine>



LANGUAGES

French

Native language



English



AWARDS

Excellence Award, UNESCO India Hackathon

Innovative digital health project

First Global Challenge

Technology-driven solution for education in Africa