Sidi Ahmed Habib

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Profile Summary

Dynamic Software Engineer passionate about building scalable and user-focused digital solutions. Skilled in full-stack development with a strong foundation in Java and Spring Boot. Experienced in designing microservices and cloud-based architectures. Eager to contribute to innovative engineering teams, learn continuously, and deliver high-quality software solutions.

Education

- **ISITCOM | Higher Institute of Computer Science and Communication Techniques** **Sousse, Tunisia**
  Master's Degree, Web Services and Multimedia *Sept 2023 – Jul 2025*
  Courses: Advanced Web Development, Web Services and SOA, Cloud Computing and Services
- **ISITCOM | Higher Institute of Computer Science and Communication Techniques** **Sousse, Tunisia**
  Bachelor's Degree, Computer Science and Multimedia *Sept 2020 – Jul 2023*
  Courses: Data Structures, Algorithms, OOP, Database Design, Mathematics, Networks and Multimedia Systems

Experience

- **Software Engineer | BRAWA SARL | Nouakchott, Mauritania** **Feb 2025 – Jul 2025**
  - Designed and developed a comprehensive digital insurance platform serving the Mauritanian insurance sector using microservices architecture with Spring Boot and Spring Cloud.
  - Implemented secure authentication system with Keycloak OAuth 2.0, multi-factor authentication, and role-based access control for clients and administrators.
  - Built end-to-end insurance workflows including policy management, claims processing, document management, and automated payment processing with real-time notifications.
  - Developed an AI-powered chatbot using OpenAI GPT-4o and LangChain4j with RAG (Retrieval-Augmented Generation) for 24/7 customer support.
  - Created cross-platform applications: Angular-based admin dashboard and Flutter mobile application with full multi-language localization.
  - Implemented event-driven architecture using Apache Kafka for asynchronous inter-service communication and real-time notifications.

  Skills: Spring Boot, Spring Cloud, Angular, Flutter, Keycloak, Apache Kafka, PostgreSQL, MongoDB, Docker, OpenAI, LangChain4j.
  Demo: View Project Demo
- **Software Developer | DIGINOVE | Sousse, Tunisia** **Feb 2023 – Jun 2023**
  - Designed and developed a mobile application for managing auto box installation interventions.
  - Created an admin dashboard for application management.
  - Developed a module for managing data sources.
  - Implemented stateless authentication using JWT.

  Skills: Flutter, Spring Boot, OAuth2.0, Spring Security, Angular, Git, GitLab, Getx State Management, Trello.
  Link: github.com/SidiahmedHABIB/auto-box-installateur-project

Skills

Practical Skills | *The following skills are my hands-on experience*

- **Languages:** Java, Python, Dart, TypeScript
- **Frameworks:** Spring Boot, Spring Cloud, Flutter, Angular
- **Databases:** MySQL, PostgreSQL, MongoDB„ Firebase
- **Data Engineering:** Apache Spark, Apache Kafka, Apache Airflow
- **AI/ML Tools:** OpenAI API, LangChain4j, Vector Databases, RAG
- **DevOps Tools:** Docker, Kubernetes, Git, GitHub, Jenkins, Trello
- **Security:** Keycloak, OAuth 2.0, JWT, Spring Security
- **Languages Spoken:** Arabic (Native), English (Professional), French (Professional)

Projects

- **MyResume App** - Built an AI-powered application to create ATS-friendly PDF resumes tailored to job descriptions in seconds. The app streamlines resume creation, offering personalized, optimized, and fast results to enhance job application success. Users can also customize resume styles to match their preferences.
  Technologies: Prompt Engineering, OpenAI API, SpringAI, Spring Boot, Angular, Docker.
  Link: github.com/SidiahmedHABIB/my-resume-project

- **E2D Data Engineering** - Built a Real-Time Data Streaming pipeline that automates data ingestion, processing, and storage using a scalable, modern tech stack.
  Technologies: Python, Docker, Apache Spark, Apache Kafka, Apache Airflow, Cassandra, PostgreSQL.
  Link: github.com/SidiahmedHABIB/e2e-data-engineering

- **AIO Mobile App (Freelance)** - Designed and developed a mobile app for the AIO African Reinsurance Forum to manage events and participants. The app features offline functionality, QR code scanning for participant data, and periodic or manual synchronization to ensure data consistency.
  Technologies: Dart, Flutter, RESTful API, Secure Storage, SQFlite, GetX State Management.

Community Life and Volunteering

- **Organization Officer | A.E.S.M.S.T** **Oct 2024 – Oct 2025**
  Mauritanian Students and Trainees Association on the Tunisian Coast *Sousse, Tunisia*
  - Organized orientation programs, networking events, and support sessions for new students.
  - Coordinated with educational institutions to help members access resources and opportunities.
  - Promoted cultural exchange and organized social events to strengthen community ties.

- **Participant | La Nuit de l'Info** **2023, 2024**
  Team Digimon_Z *Sousse, Tunisia*
  - **2024:** Won **1st place** in "Explorer les flux invisibles" challenge presented by ALLUCO Confort Aluminium
  - **2024:** Won **2nd place** in "L'Assistant Mystérieux" challenge presented by Richatt (Franco-Mauritanian fin-tech company)

- **Member | ISITCOM Google Club** **Sept 2021 – Jul 2023**
  Technical Department - Google Developer Student Club *Sousse, Tunisia*
  - Participated in training sessions, workshops, and technological challenges focused on development skills.
  - Contributed to organizing and participating in tech events and community-building initiatives.