

Hamza TAHRI

Software Engineer

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🌐 www.hamzatahri.github.io

Skilled Software Engineer with extensive experience in architecting and developing scalable Cloud-Native APIs and Microservices across diverse industries. Proficient in Java, Gradle, and a broad range of web technologies, with a proven ability to leverage advanced DevOps practices and cloud platforms to deliver high-performance solutions. Expertise in driving innovative, cutting-edge software projects.

Experience

- **Backend Software Engineer - Renault** 2024 - 2025
 - Worked on Key management system new features.
 - Improved code quality/test coverage for kms project.
 - Implemented method security using oauth2 and jwt.
 - **Key technologies:** google GCP, java, gradle, postgresql
- **Backend Software Engineer - Oracle** 2024 - 2025
 - Performed Gradle migration from 5 to 8 for a graph database system.
 - Added new apis on top of Parallel Graph analytics system PGX.
 - Worked with pgx and datastudio customers to analyze and fix bugs.
 - Wrote Design specifications & reviewed pull requests.
 - Performed benchmarks and competitive analysis.
 - Trained junior team members on gradle, java, oracle cloud and linux.
 - **Key technologies:** oracle cloud, java, gradle, graph databases, pgql/sql
- **Backend Software Engineer - SG-ABS** 2022 - 2024
 - Designed and developed Cash2ATM functionality for all S.G. Subsidiaries in the Sub-Saharan Africa.
 - Contributed significantly to the development and deployment of intraregional transfer functionality, including advanced fee and tax calculation capabilities.
 - Spearheaded transformation of monolithic applications into multiple microservices, seamlessly preserving a cohesive experience for end-users.
 - Collaborated actively in designing and implementing the Automated Payment System for External Bill Processing, leading to substantial improvements in Payment Processing efficiency for our valued clients.
 - **Key Technologies:** Java/JEE, Spring Boot, PostgreSQL, Gradle, HashiCorp Nomad/Vault/Consul, GraphQL, RabbitMQ, SoapUI, IntelliJ, Amplitude.
- **Backend Software Engineer (Intern) - SG-ABS** 2022 - 2022
 - Built Cloud-Native Bridge & Transformation Gateways that have facilitated seamless communication between business APIs and the Amplitude core banking system.
 - **Key Technologies and Tools:** JAVA, Spring Framework, Hashicorp Solutions, Gradle, GraphQL, RabbitMQ && Amplitude.
- **JEE Backend Developer (Intern) - TNA-Consulting** 2021 - 2021
 - Contributed significantly to building Microservices and APIs interfacing with T24 core banking system, enabling effective management of cheques, LCNs, and Financing Requests for Banks.
 - **Key Technologies:** JEE, Spring Cloud, SonarQube, Jenkins, Maven, Web-Client, Hystrix && T24.

- **Mobile and Embedded Systems Developer (Intern) – OCP-Group** 2020 - 2020
 - Took leading role in analyzing, designing, and developing comprehensive solution enabling real-time monitoring of confined spaces and automating alerts in case of potential danger.
 - **Key Technologies:** Flutter, Arduino, javascript, php, mysql, firebase nosql and realtime database.

Education

- **Software Engineer** (IT) | **ENSA Safi** | **Morocco** 2020 - 2022
- **Professional License** (IT) | **FSSM Marrakech** | **Morocco** 2019 - 2020
- **University Technology Diploma (IT)** | **EST Agadir** | **Morocco** 2017 - 2019

Projects

- **Unified Smart House Control Through Voice and Mobile (USH-CVM):**
a smart home system with three control modes: automatic, voice (JARVIS assistant), and a Flutter-based mobile application. The project integrated IoT, artificial intelligence, and machine learning to manage and control household equipment (air conditioners, lights, gas, security systems, etc.).
Key features include gas leak detection, temperature-based fan control, motion detection, facial recognition, and mood-based actions. Designed a hardware prototype and a user-friendly mobile app, allowing remote control and intelligent management of home devices. [more info...](#)
- **Online Banking Client App:**
a Flutter-based app for managing bank accounts, transfers, cards, beneficiaries, and account settings, providing a secure and user-friendly mobile banking experience. [more info....](#)
- **Online Banking Server:**
The backend system for the banking mobile app above using Java, JavaScript, REST and SOAP APIs, Docker, and JARs. Implemented load balancing, service discovery, circuit breakers for fault tolerance, and utilized NoSQL databases for scalable data storage, ensuring a robust and efficient backend infrastructure. [more info...](#)
- **WorldWise Project:**
a React application using ContextAPI, enabling users to explore and save dream destinations with an interactive map. WorldWise offers an intuitive platform for wanderers to discover places they wish to visit, providing a seamless user experience for travel planning. [more info...](#)

Skills

- **Programming:** java, python, javaScript, c#, c++
- **Spring framework:** boot, cloud, security, data
- **DevOps:** docker, jenkins, hashicorp, kubernetes
- **Database Management:** mySQL, mongodb, postgres, oracle
- **Problem-solving** and troubleshooting
- **Agile** development methodologies
- **Code Quality:** sonar, pmd, junit, mockito
- **Cloud:** aws, Oracle Cloud

Certificates

- Oracle Certified Professional JAVA SE 11 Oct - 2024
- AWS Solution Architect Associate Dec - 2023
- CCNA - Cisco Certified Network Associate Jun - 2021
- HCIA Cloud Computing (Huawei) Jul - 2020

Languages

- Arabic - Native(C2)
- English - Advanced (C1)
- French - Advanced (C1)

Interests

- **Electronics:**
I enjoy working with Arduino boards and small electronic components, experimenting with projects, and occasionally inventing fun and creative solutions.
- **Mobile Development:**
I like to experiment with mobile app development in my free time, creating user-friendly applications and exploring new technologies to enhance mobile experiences.
- **Martial Arts:**
I have been practicing martial arts since I was 6 years old and continue to enjoy it. It has taught me discipline, perseverance, and self-defense skills while keeping me physically fit.
- **Diving:**
I enjoy diving as a hobby, exploring underwater environments and experiencing the mysterious allure of the ocean, alongside its tranquility and beauty.