



MEHDI BOUDAR

Solutions Architect | Software & Cloud Engineering | DevOps

Oracle Certified Professional: Java SE 17

+212 610 059 159 | Meehdi99@gmail.com | linkedin.com/in/mehdi-boudar |

github.com/kusoyaji

Rabat, Morocco | Open to remote opportunities (EU/Morocco timezone)

PROFILE

Solutions Architect specializing in Java/Spring Boot, AI orchestration and high-scale platform engineering. At Voom Digital, re-engineered a WhatsApp CRM to handle 500k contact imports in under 10 minutes, shipped a RAG-powered AI agent that lifted client conversion by 15%, and built a unified MCP centralizer federating multiple Zoho tenants for Claude.

PROFESSIONAL EXPERIENCE

Voom Digital | Solutions Architect

Hybrid, Casablanca | Oct 2025 - Present

- **AI Orchestration & Conversion:** Developed a business-aware AI agent for WABA with automated **lead classification** (Hot/Warm/Cold) and objective-based To-Dos, increasing conversion rates by **15%**.
- **CRM & Webhook Automation:** Deployed 5 **Vercel** webhooks linking conditional WhatsApp flows to **Zoho CRM**; built custom UI dashboards and Zoho functions to automate prospect insertion and workflow execution.
- **High-Scale Performance:** Re-engineered Chatwoot to handle **500k contact imports in <10m** and **100k contact campaigns in <30m**; implemented custom UI for granular campaign analytics and delivery tracking.
- **Knowledge Retrieval (RAG):** Designed **RAG pipeline** with pgvector hybrid search, web scraping (Jsoup + Playwright), and PDF extraction; implemented pluggable AI model adapters (OpenAI, Claude) with circuit breakers.
- **System Reliability:** Engineered an **8-condition eligibility engine** and Quartz-scheduled batching to prevent AI interference with human agents, processing **100+ webhooks/sec** with 99.9% uptime.
- **Technologies:** Java 21 • Spring Boot 3.3 • PostgreSQL/pgvector • Redis • Vercel • Zoho CRM • Docker • Ruby

Orange Morocco | Software Engineer (Final Year Project)

Rabat | Mar - Sep 2025

- Complete digitalization of FabLab, eliminating manual workflows for **50+ members** and **200+ users**
- Implemented real-time reservation system with **optimistic locking**, eliminating **100% scheduling conflicts**
- Modular backend microservices architecture with **9+ Spring Boot services** and inter-service communication
- Integrated **10+ IoT devices** (3D printers, Raspberry Pi) via REST APIs and AI support assistant
- **Technologies:** Java 17, Spring Boot 3.4, Spring Security, Angular, MySQL, Apache Kafka, Swagger, Postman

Freelance Backend Developer

Remote | Mar 2024 - 2025

- Designed multi-tenant RESTful APIs handling **500+ transactions/day** (reservations, payments, inventory)
- Secured with **JWT/OAuth2** and RBAC (5 roles), secure sessions, and complete audit trails
- Integrated third-party **REST services** (billing, CRM) with error handling and retry logic
- Delivered 3 production systems on-time with 98% client satisfaction, mentored junior developer
- **Stack:** Java 17 • Spring Boot 3.4 • Spring Security • JWT/OAuth2 • MySQL • Docker • Nginx • Angular

TECHNICAL SKILLS

- **AI & Orchestration:** Multi-model orchestration (Gemini, Claude, OpenAI) • Hybrid RAG (pgvector) • Custom MCP servers • Function calling • TTS/Voice
- **Backend:** Java 17/21 (**OCPCertified**) • Spring Boot • Spring Security • JPA/Hibernate • REST/OpenAPI • Microservices
- **Integrations:** Meta WhatsApp Cloud API • Zoho CRM • Salesforce • Chatwoot • Stripe • Webhooks • Apache Kafka
- **Cloud & DevOps:** Docker • Railway • Vercel • Nginx • OAuth2/JWT • Keycloak • Jenkins CI/CD • JUnit/Mockito
- **Databases:** PostgreSQL (pgvector) • MySQL • Redis • SQL Server • Query optimization
- **Tools:** Postman • Swagger/OpenAPI • Git/GitHub • Jira • UML • Resilience4j • Feign Client

EDUCATION

State Engineering Degree in Computer Science

2022 - 2025

EMSI Rabat – Enterprise Information Systems

Higher Technician Diploma (HND) in Software Development

2019 - 2021

ISTA NTIC – Enterprise Applications & Web Development

CERTIFICATIONS

- **Oracle Certified Professional: Java SE 17** (1Z0-829)
- Oracle Database SQL Certified Associate (1Z0-082)
- IBM Full-Stack Google Cloud Java Microservices
- AWS DevOps

LANGUAGES

- **English:** Fluent (C2)
- **French:** Professional (B2)
- **Arabic:** Native (C2)