

# Haroun EL ALAMI

## Senior Full Stack Software Engineer | Tech Lead

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### Professional Summary

Results-driven Senior Software Engineer with 11+ years of experience in full-stack development, technical leadership, and cloud-native solutions. Proven expertise in designing, building, and optimizing enterprise-scale applications with Java, Kotlin, Spring Boot, and Angular. Strong background in DevOps, Kubernetes, and AWS, combined with mentoring and code quality leadership. Enthusiastic about AI/ML, process mining, and performance engineering, with a strong ability to bridge technical depth and business needs.

### Core Skills

**Backend:** Java, Kotlin, Spring Boot (Web, Data, Cloud, Security, Batch), Hibernate  
**Frontend:** SvelteKit, Angular, React, Vue.js, TypeScript, JavaScript, p5.js  
**AI/LLM Engineering:** LangGraph, LightRAG, RAG Architectures, Agentic Workflows  
**Cloud & DevOps:** Kubernetes, Docker, AWS, Helm, Jenkins, GitHub Actions  
**Databases:** PostgreSQL, Oracle, MongoDB, MySQL  
**Testing & Performance:** Gatling, JUnit 5, Selenium, Cypress, Cucumber  
**AI Coding Tools:** Claude Code, GitHub Copilot, Codex CLI, Gemini CLI  
**Methodologies:** Scrum, Agile, TDD, CI/CD, Code Review, AI-Assisted Research  
**Other:** Python, R, Scala, Go, Rust, PocketBase, BPMN, Process Mining

### Professional Experience

#### **Bonitasoft – R&D; Runtime Full Stack Engineer**

*Sept 2021 – Present | Grenoble, France*

- Led development and optimization of Bonita runtimes for scalability and performance.
- Designed and implemented a real-time monitoring dashboard for applications, processes, and license management.
- Built a performance testing solution with Gatling, Scala, Docker, AWS.
- Conducted R&D; on data mining, process mining, and BPMN model generation.
- Ensured code quality through reviews, mentoring, and technical leadership.
- Exploring and prototyping next-generation AI-powered solutions by leveraging LangGraph and LightRAG for intelligent business workflow automation and agent-based process orchestration.

#### **Meritix (BNP Paribas) – Full Stack Java/Angular Consultant**

*Feb 2020 – Sept 2021 | Aix-en-Provence, France*

- Developed a Spring Boot API for enterprise data aggregation (KYC).
- Served as Tech Lead on 3 projects, overseeing delivery quality and CI/CD pipelines.
- Implemented automated delivery pipelines with Jenkins to reduce deployment costs.
- Mentored new hires and conducted code reviews.

#### **SmartTrade Technologies – Software Engineer (Java/JEE)**

*Apr 2017 – Jan 2020 | Aix-en-Provence, France*

- Developed a cloud supervision tool for SmartTrade platforms.
- Built a QA automation framework for functional UI testing integrated into CI/CD.
- Created a Docker-based deployment platform for SmartTrade environments.
- Designed Jira REST API-based dashboards for release tracking.

#### **Freelance & Early Experience**

*2013–2016*

- Built web/mobile applications for SMEs and organizations (management apps, WordPress sites).
- Developed academic projects (career platforms, event booking, GIS wildfire simulation).

## Personal Projects

### **Dockerify-Android – Dockerized Android Emulator (2024) – ★ 559 · 57 forks**

Developed a Docker-based Android emulator supporting multiple CPU architectures (x86, arm64 planned), with ADB integration and scrcpy-web for browser-based real-time control. The project has gained strong community traction on GitHub. Source: GitHub

### **Getjobs – Career & Job Search Engine (2018)**

Designed and developed a career platform with job search and CV builder.

### **Projet TER – GIS Wildfire Simulation (2016)**

Analyzed and simulated wildfire propagation to assess risk of uncontrolled fire spread across terrain using geographic data and real-time weather APIs.

### **PyTank – Educational Python Game (2015)**

Built a gamified learning platform to teach Python through algorithmic tank battles.

### **YHEventApp – Event Booking Web App (2015)**

Implemented a system to manage event registrations and visualizations.

### **University Management System (2014)**

Created an application for academic management (students, schedules, grades) with automated timetable generation.

## Education

- Master's in Software Reliability, Security & Integration – Aix-Marseille Univ. (2017)
- Master's in Computer Science – Aix-Marseille Univ. (2016)
- Bachelor in Software Engineering – High-Tech School, Rabat (2015)
- Advanced Diploma in Software Development – ISTA Fès (2013)
- High School Diploma in Physics-Chemistry – Fès, Morocco (2011)

## Languages

English (professional), French (native), Arabic (native)

## Interests

Technology, music, chess, video games, tennis