

Haroun EL ALAMI

Senior Full Stack Software Engineer | Tech Lead

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Professional Summary

Results-driven Senior Software Engineer with 8+ 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), Hibernate
Frontend: Angular (12+), Vue.js, TypeScript, JavaScript
Cloud/DevOps: Kubernetes, Helm, Docker, AWS, Jenkins, GitHub Actions
Databases: PostgreSQL, Oracle, MySQL, MongoDB
Testing & Performance: Gatling, JUnit 5, Selenium, Cypress
Other: R, Python, BPMN, Process Mining, AI/ML (enthusiast)

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.

Meritis (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)

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 with 350+ stars and 29 forks on GitHub. Source: GitHub

Getjobs – Job Search Engine (2018)

Designed and developed a career platform with job search and CV builder using Vue.js, Laravel, and REST 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 with PHP, MySQL, and Chart.js.

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 (fluent), Arabic (native)

Interests

Technology, music, chess, video games, tennis