

YACINE AMOUCHE

TECH LEAD JAVA / SPRING BOOT

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Available from November 2026 | Mobility: France, Switzerland, Belgium, Luxembourg

PROFILE

Nearly 9 years of Java, Spring Boot and technical leadership assignments in banking, insurance and the public sector. Requirements gathering, functional specifications, API design, application architecture, team coaching and application modernisation. In parallel, development of SaaS and generative AI solutions at GINQEL.

SKILLS

Functional & leadership: Business workshops, requirements gathering, functional specifications, user stories, estimation, acceptance testing, business/IT coordination.

Architecture & back-end: Java 8/11/17/21, Spring Boot 1.5/2/3 (migration study to 4), Spring Batch, Spring Security, JPA/Hibernate, REST APIs, microservices, hexagonal architecture.

Front-end & data: Angular, React, Vite, SQL, PostgreSQL, data modelling.

Security & integration: IAM/CIAM, Keycloak, OAuth 2.0, OpenID Connect, Kafka, RabbitMQ.

AI & automation: LLM, RAG, embeddings, pgvector, LangChain, LlamaIndex, AI agents, Python, FastAPI.

DevOps & quality: GitLab CI/CD, Jenkins, SonarQube, Docker, Kubernetes, Ansible.

Application servers: JBoss, Apache Tomcat.

Methods: Scrum, Jira, TDD, code reviews.

PROFESSIONAL EXPERIENCE

FRANCEAGRIMER — Java Tech Lead / Security Lead

04/2024 – 10/2026 | *Business applications managing Common Agricultural Policy (CAP) subsidies; technical leadership of a team of 8 developers; enhancements, reliability and service continuity.*

- Technical leadership of the team: technical refinement of user stories and allocation of technical topics among developers.
- Design decisions for REST APIs, Spring Batch processes and data models; definition of coding standards, Definition of Done and SonarQube quality rules.
- Code reviews and merge request approval; onboarding, mentoring and upskilling of developers.
- Technical point of contact for business stakeholders: analysis of requests, clarification of business rules, functional specifications and user stories, technical estimation.
- Improvement of the GitLab / Jenkins CI/CD pipeline and test automation; prioritisation of technical debt and version upgrades.
- Preparation of the Spring Boot 3 to 4 migration: impact analysis, dependencies, components to adapt and improvements to plan.
- Security lead and point of contact for the security team / CISO: SSO and access control with Keycloak, OpenID Connect and Spring Security.
- Application support: incident qualification, prioritisation of fixes, acceptance testing and securing of releases.

Tech stack: Java 21, Spring Boot 3 (migration study to 4), Spring Batch, Spring Security, Keycloak, Tomcat, GitLab CI/CD, Jenkins, SonarQube, Jira, Scrum.

LA CIPAV — Technical Lead / Java Tech Lead

03/2022 – 03/2024 | *Redesign of a pension application: team of 8 developers; separate maintenance scope of 4 developers.*

- Workshops with business teams: requirements gathering, business rules and detailed functional specifications.
- Application bootstrap and definition of the hexagonal architecture (Ports & Adapters).
- Design of REST APIs, Spring Batch processes, data models and interfaces.
- Code reviews, TDD, technical coaching of developers and software quality.
- Data migrations, acceptance testing, defect resolution and optimisation of batch processing.

Tech stack: Java 17, Spring Boot 2/3, Spring Batch, REST APIs, Tomcat, GitLab, Jenkins, SonarQube, Jira, Scrum.

FRANCEAGRIMER — Tech Lead Java / J2EE / Spring Boot

01/2021 – 02/2022 | *CAP subsidy applications: Spring Boot enhancements and maintenance of legacy J2EE applications; team of 6 developers.*

- Business requirements analysis, functional specifications, impact studies and scoping of enhancements.
- Development and evolution of Java / Spring Boot applications and batch processes.
- Java EE / J2EE application maintenance: defect diagnosis, corrective and evolutive maintenance, coordination of fixes and non-regression testing.

Tech stack: Java 8/11, Java EE / J2EE, Spring Boot 2, Spring Batch, GitLab, Jenkins, SonarQube, Jira, Scrum.

CRÉDIT AGRICOLE ASSURANCES — Full Stack Engineer Java / Angular

07/2019 – 12/2020 | *Loan, protection and savings simulators; notifications in the insurance domain.*

- Requirements gathering, business scenarios and functional specifications; Angular screens and Spring Boot REST APIs.
- Kafka JSON events (contracts, claims, due dates, payments, documents) and routing of notifications to email, SMS and customer portal.
- Message flow reliability: retry, dead letter topic, replay and idempotent processing.
- 15 features and 12 REST APIs for around 2,500 users; 85% test coverage and 35% faster response times.

Tech stack: Java, Spring Boot 2, Angular, Kafka, JPA/Hibernate, GitLab, Jenkins, SonarQube, Jira.

BNP PARIBAS — Java / Spring Boot Engineer – IAM / CIAM

07/2018 – 06/2019 | *Authentication and authorisation platform for BNP Paribas and Hello bank! customers, in a microservices architecture.*

- Analysis of identities, customer profiles and access rights; writing of specifications.
- Design and development of 8 IAM components in Java 8 / Spring Boot 1.5.
- Keycloak integration; onboarding of 12 applications via OAuth 2.0.
- Password lifecycle management; authorisations by profile and authentication method.
- Asynchronous messaging with RabbitMQ, deployment on JBoss; 90% test coverage; 30% reduction in authentication time.

Tech stack: Java 8, Spring Boot 1.5, microservices, JBoss, Keycloak, OAuth 2.0, RabbitMQ, GitLab, Jenkins, SonarQube.

ING / ORANGE LABS / ALB INFORMATIQUE / UPEC — Java / Security Developer

2014 – 06/2018 | *Early experience in application development, mobile and IT security.*

- Java and Android development, integration and testing.
- Security testing, vulnerability research, fixes and software quality.

Tech stack: Java, Android, application security, Git.

GINQEL PROJECTS — FULL STACK & AI DESIGN

Personal products at MVP / demonstrator stage. Role: application design, full stack development and AI model integration.

GINQEL TENDER AI — Public tenders and procurement

- Multi-service architecture: Java / Spring Boot, Python / FastAPI and React / Vite front end.
- Collection and normalisation of BOAMP / TED notices; extraction and structuring of tender documents (PDF, DOCX).
- NAF-CPV code matching, relevance scoring and identification of opportunities suited to each company.
- RAG pipeline: document chunking, embeddings, PostgreSQL / pgvector indexing and semantic search.
- Use of LLMs to summarise requirements, identify deadlines and assist with bid writing.
- Costing, resource estimation and milestone tracking features; Docker containerisation and Kubernetes work.

Tech stack: Java, Spring Boot, FastAPI, React / Vite, PostgreSQL, pgvector, LLM, Docker, Kubernetes.

GINQEL FIELDFLOW AI — Field service management

- Business application for planning, assigning and tracking field interventions and technicians.
- Management of intervention reports, quotes, invoices and administrative information.
- AI-assisted extraction of information from PDFs, photos and work orders.
- Conversational assistant using LLMs and function calling to interact with business features.
- React / Vite interface, REST API integration and Docker containerisation.

Tech stack: React, Vite, REST APIs, LLM, AI agents / function calling, Docker.

GINQEL MISSIONFLOW AI — Assignments and profiles

- Flutter mobile app connected to Python / FastAPI REST APIs.
- LLM-based CV analysis and structured extraction of skills and experience.
- Semantic matching of assignments and profiles using embeddings, with ranking of matches.

Tech stack: Flutter, Python, FastAPI, LLM, embeddings.

EDUCATION

2017 — Master's degree, Autonomous and Communicating Mobile Systems, University of Bordeaux

2016 — Master's degree, Information Systems Security, Université Paris-Est Créteil (UPEC)

2014 — Master's degree, Network Administration and Security, University of Béjaïa

CERTIFICATIONS

PSM I — Professional Scrum Master I (Scrum.org)

LANGUAGES

French: fluent | English: professional