Stephane ROBIN

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Backend Tech Lead | Kotlin · Java · Spring Boot · Kafka | Banking & Finance

Experience

Abbeal - National Bank of Canada (BNC)

Backend Pod Lead, August 2026 / present, Montreal, Quebec
Senior Backend Developer, January 2026 / July 2026

- Led a 7-position team as Pod Lead (4 backend developers, 1 QA lead): logged 17 technical decisions in 6 weeks, cleared 2 release blockers before or during the deployment window.
- Conducted 10 technical hiring interviews (6 for Abbeal, 4 for BNC).
- Spearheaded as lead dev the optimization of a real-time banking transaction stream (Kafka) across 7 increments: batch consumption, asynchronous processing, retry handling, increasing throughput 11.6x and cutting processing time from 2 h to 30 min (validated in pre-production).
- Redesigned an IBM MQ to Kafka connector (Avro schemas, partitioning, failed-message replay), load-tested with k6 at 48,000 messages/s over 2 million messages with zero errors.
- Remediated security audit findings by migrating a service from Spring Boot 2.7 / Java 11 to Spring Boot 4 / Java 25, and covered 17 CVEs through a BouncyCastle upgrade.
- Designed anti-fraud event publishing (CloudEvents over Kafka) at account opening, with no impact on the customer journey.
- Drove upstream design for integrating a credit card portfolio into a large-scale banking migration: authored 35 tickets, REST services, Kafka events, load tests.
- Reviewed 180 pull requests across 41 repositories, including other teams' repositories, and restored continuous integration (CI) on 5 repositories.
- Built 17 versioned AI coding-assistant skills (PR review, release checks, time tracking), adopted beyond the pod, and a Datadog incident-triage agent (Java 21, Spring Boot 4).

Skills: Java 21/25, Spring Boot 3.5–4.1, Spring Kafka, Kafka/Confluent, Avro, CloudEvents, IBM MQ, MongoDB, GraphQL, Spring Security/OAuth2, Kubernetes, Helm, ArgoCD, Vault, Okta, Datadog, k6, GitHub Actions, SonarQube, Snyk, Maven, JUnit, Mockito

Abbeal - Fairstone

Senior Backend Developer, December 2024 / December 2025 (1 year and 1 month), Montreal, Quebec

- Architected and developed secure RESTful APIs for 3 critical financial modules, improving maintainability and reducing technical debt.
- Migrated a Java/Spring application on WebSphere to a serverless TypeScript/AWS Lambda architecture, reducing infrastructure costs.
- Automated CI/CD pipelines with GitHub Actions and Jenkins, reducing deployment time from 45 min to 8 min.
- Implemented Liquibase for database migrations, eliminating schema regression risks.

- Transferred repositories from AWS CodeCommit to GitHub and from Nexus to AWS CodeArtifact, centralizing artifact management.
- Led integration of GenAI tools (GitHub Copilot, Amazon Q) to structure migration processes and establish development best practices.
- Applied OWASP security standards, reducing critical vulnerabilities detected in code reviews.
- Supervised stability and performance with Dynatrace (monitoring, alerting, APM).

Skills: Java 8, Spring, TypeScript, AWS, Liquibase, GitHub Actions, Jenkins, Docker, Dynatrace, Maven, JIRA, GitHub, Git, SQL, JPA/Hibernate, JUnit, MSSQL

Abbeal - Desjardins

Senior Backend Developer, July 2024 / November 2024 (5 months), Montreal, Quebec

- Developed secure RESTful APIs applying OWASP standards, eliminating critical vulnerabilities identified in security audit.
- Refactored 6 existing modules, simplifying processing logic and improving code maintainability.
- Established unit test coverage (JUnit, PowerMock) reaching 80% on secured modules.
- Integrated CI/CD pipelines with Jenkins and GitHub, standardizing deployments on Azure.
- Coordinated systematic code reviews and pair programming to ensure security compliance across the team.

Skills: Java 8, Spring, Angular, JUnit, PowerMock, MySQL, Jenkins, Azure, Maven, JIRA, GitHub, Git, SQL, JPA/Hibernate, TypeScript

Whoz

Senior Backend Developer, Java/Kotlin, September 2019 / June 2024 (4 years and 10 months), Paris, Ile-de-France

- Architected the full migration from Groovy/Grails JDK 8 to Kotlin/Spring Boot JDK 17, reducing build times by 35%.
- Optimized processing performance via CompletableFuture, Async, Events, and Kotlin Coroutines, reducing batch processing times by 50%.
- Introduced Kotlin and Java 17 standards across 3 projects, improving maintainability and reducing technical debt.
- Led integration of AI tools (OpenAI ChatGPT) and implemented LLM APIs within the SaaS skills management platform.
- Established CI/CD pipelines with GitLab CI/CD and Docker for local development and production.
- Implemented Cypress.io and TestContainers for end-to-end testing, increasing regression coverage.
- Supervised observability with New Relic then Datadog, improving MTTR and incident visibility.
- Coordinated Scrum ceremonies as proxy Scrum Master for a team of 6 developers.

Aneo - BNP CIB

Java Backend Consultant, January 2019 / April 2019 (4 months), Paris, Ile-de-France

- Developed a Spring Boot microservice middleware for IBM AS400 mainframe interconnection, optimizing data access for currency trading teams.

Aneo - Malakoff Médéric

Java Fullstack Engineer Consultant, August 2018 / December 2018 (6 months), Paris, Ile-de-France

- Led the front-end migration from React to Angular on an insurance brokerage platform representing 50% of client revenue.

Aneo - E-Attestations

Java Fullstack Engineer Consultant, January 2018 / July 2018 (6 months), Massy, Ile-de-France

- As lead developer and Scrum Master, architected the microservices migration to AWS (higher resilience, lower infrastructure costs), with Keycloak SSO, Jenkins CI/CD, and GDPR and ISO 27001 compliance.

Aneo - Société Générale

Java Fullstack Engineer Consultant, July 2017 / December 2017 (6 months), La Défense, Ile-de-France

- Developed Java/Angular trading surveillance tools consuming REST APIs and ingesting Hadoop data to identify financial anomalies.

Extia - Euronext

Java Engineer Consultant, January 2017 / July 2017 (6 months), La Défense, Ile-de-France

- Designed and developed the Orchestrator Spring Boot/Angular application to industrialize Ansible deployments for a high-availability trading platform.

Extia - Sonovision (Ortec Group)

Java EE Engineer, July 2016 / January 2017 (7 months), Bagneux, Ile-de-France

- Developed administration interfaces and evolved the data model for an armored vehicle technical documentation management application (French Army).

Extia - RATP Smart Systems

Java Angular Fullstack Engineer Consultant, March 2016 / July 2016 (5 months), Noisy Le Grand, Ile-de-France

- Developed passenger information modules for the Orly-Val network (Euro 2016) and internationalized the application for 3+ languages.

Earlier Experience (2008-2016)

- Java Engineer Consultant, Extia - MNT, November 2015 / March 2016
- Java Engineer Consultant, Extia - Coface, December 2014 / November 2015
- Java Engineer Consultant, then Functional Analyst Consultant, Extia - Orange, February 2014 / December 2014
- Junior Java Engineer, Fullsix - Ekino, July 2013 / January 2014
- Java/Spring Consultant, Alyotech Consulting - FranceAgriMer, January 2012 / July 2013
- Intranet Development Manager, FreedomCall, August 2011 / December 2011
- IT Support Technician, Manpower, Econocom - EDF, La Poste, March 2010 / July 2011

- PHP Developer, Altitude Telecom, August 2008 / February 2010

Skills

- **Languages: Kotlin**, **Java 21/25**, SQL, TypeScript, JavaScript, HTML, CSS
- **Frameworks: Spring Boot**, **Spring**, Spring Cloud Gateway, Hibernate, **JPA**, GraphQL, Angular, JUnit, Mockito, Kotest
- **Databases: MongoDB**, **Neo4j**, **PostgreSQL**, **MySQL**, Oracle, Elasticsearch
- **Cloud & Infrastructure: AWS** (EC2, S3, Lambda, DynamoDB, EKS), OVH SecNumCloud, Digital Ocean, **Docker**, **Kubernetes**, **GitHub Actions**, Jenkins, CI/CD
- **Tools: Git**, **Maven**, Gradle, **JIRA**, GitHub, GitLab, Postman, Swagger, Sonar, Liquibase
- **Methodology:** Agile, **SCRUM**, TDD, Microservices Architecture, OWASP, GDPR, Quebec Law 25
- **Gen AI & LLM: GitHub Copilot**, **Kiro**, OpenAI, MistralAI, Anthropic Claude, AWS Q
- **Messaging & Events: Apache Kafka**, Avro, CloudEvents, IBM MQ, ActiveMQ
- **Monitoring:** Datadog, New Relic, Dynatrace

Languages

- French, native · Spanish, basic
- English, fluent (TOEIC 985, C1, November 2024)

Certifications & Training

- Datadog Training: Backend Monitoring APM, Frontend Monitoring APM (September 2026)
- AWS Certified Cloud Practitioner (December 2025)
- MongoDB Training (October 2025)
- Neo4j Training (October 2023)

Education

- DUT Computer Engineering
- BTS Computer Science, application development

Interests

Taekwondo, CrossFit, rollerblading, woodworking, video games, science and aerospace, science fiction (novels, movies, series), manga and animated films.