Stephane ROBIN

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Senior Backend Developer | Java 21 · Spring Boot · Microservices · AI Lead

Experience

Abbeal - National Bank of Canada (BNC)

Senior Backend Developer, December 2025 / present, Montreal, Quebec

- Designed and developed high-availability GraphQL and RESTful APIs for critical banking services at BNC.
- Optimized Kafka consumers in batch mode via virtual threads and asynchronous processing, reducing processing latency by 40%.
- Migrated 5+ microservices to Java 21 with adoption of virtual threads, pattern matching, and records.
- Deployed and containerized services via Docker/Podman on AWS Kubernetes infrastructure.
- Implemented automated testing strategies (unit, integration, API contracts) with JUnit and Mockito, covering critical services.
- Supervised service observability with Datadog (metrics, logs, APM), improving incident detection and resolution.
- Applied code quality best practices, banking security, and regulatory compliance.
- Collaborated with business teams for requirements analysis and technical specification writing.

Skills: Java 21, Spring Boot, Kafka, GraphQL, AWS, Kubernetes, Docker, JUnit, Mockito, Datadog, Maven, JIRA, GitHub, Git, SQL, JPA/Hibernate

Abbeal - Fairstone

Senior Backend Developer, December 2024 / December 2025, 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 / April 2025 (5 years and 8 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 Completable Future, 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.

Skills: Kotlin, Java, Spring Boot, Grails, Apache Kafka, Keycloak, MongoDB, PostgreSQL, Neo4j, Elasticsearch, AWS, OVH SecNumCloud, Docker, GitLab, Datadog, New Relic, Cypress.io, TestContainers, Angular, TypeScript, OpenAI, Gradle, JIRA, Git, SQL

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.
- Implemented an intelligent caching strategy reducing legacy system calls and improving response times.

Skills: Java, Spring Boot, GWT, Oracle DB, TestNG, PowerMock, Linux, SVN, Swagger, Jira

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.
- Designed and integrated REST APIs and Gherkin scenarios to automate regression testing.

Skills: Java, Angular, Play Framework, MongoDB, Protractor, Cucumber, Jenkins, Sonar, Bitbucket, Git, SQL

Aneo - E-Attestations

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

- Architected and implemented a microservices migration to AWS, improving platform resilience and reducing infrastructure costs.
- Established Keycloak SSO, Jenkins CI/CD, and ensured GDPR and ISO 27001 compliance as lead developer and Scrum Master.

Skills: Java, Spring Boot, Angular, PostgreSQL, AWS, Keycloak, Jenkins, Sonar, Bitbucket, TestNG, Linux, Git

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.
- Architected the back-end and front-end authorization system to secure access to risk indicators.

Skills: Java, Spring Boot, Angular, Hadoop, REST API, TestNG, Linux, Git, SQL

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.
- Implemented REST APIs and automated tests to ensure deployment reliability compliant with regulatory requirements.

Skills: Java, Angular, Dropwizard, MySQL, Ansible, TestNG, Linux, JIRA, Git

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).
- Designed quality controls for a Dassault Aviation Rafale E-learning application.

Skills: Java, JSF, Primefaces, Hibernate, MongoDB, JUnit, TestNG, Sonar, Bamboo, Git

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.
- Analyzed partner web service performance and optimized response times.

Skills: Java, Spring Boot, Angular, MySQL, Hibernate, Jenkins, Sonar, GitLab, Git

Extia - MNT

Java Engineer Consultant, November 2015 / March 2016 (4 months), Opéra, Paris

- Designed and developed a microservice middleware prototype for inter-application client repository management with Spring Boot, Spring Batch, and JMS ActiveMQ queue management.

Skills: Java, Spring Boot, Spring Batch, ActiveMQ, Hibernate, JPA, Mockito, JUnit, Oracle DB

Extia - Coface

Java Engineer Consultant, December 2014 / November 2015 (11 months), Bois-Colombes, Ile-de-France

- Maintained and refactored Java legacy applications (Struts, Weblogic) for white-label conversion, reducing production anomalies.

Skills: Java, Spring, Struts, Weblogic, Maven, Oracle, JUnit

Extia - Orange

Functional Analyst Consultant MOE/MOA, April 2014 / December 2014 (8 months), Arcueil, Ile-de-France

- Produced functional specifications for 6 projects (Echat, Optin, Premium Call Forwarding, Perform, SHS Homelive, Invoice Closure 2014), translating business requirements into actionable developer specifications.

Skills: Soap UI, Functional specifications, MOE/MOA project management

Extia - Orange

Java Engineer Consultant, February 2014 / April 2014 (2 months), Arcueil, Ile-de-France

- Maintained and evolved Java EE business component applications scheduled for decommissioning.

Skills: Java, Maven, Wicket, MySQL, SVN, Linux

Fullsix - Ekino

Junior Java Engineer, July 2013 / January 2014 (6 months), Levallois-Perret, Ile-de-France

- Developed and migrated the SFR online store from Stripes to Spring Boot Thymeleaf on a high-visibility e-commerce platform.

Skills: Java, Spring MVC, Thymeleaf, Hibernate, Oracle, Maven, Linux

Alyotech Consulting - FranceAgriMer

Java/Spring Consultant, January 2012 / July 2013 (1 year and 6 months), Montreuil, Ile-de-France

- Designed and developed web-oriented Java applications (intranet/extranet) for the FranceAgriMer public establishment.

Skills: Java, Spring, JSF, Richfaces, Hibernate, JPA, PHP, MySQL, Oracle, Linux

FreedomCall

Intranet Development Manager, August 2011 / December 2011 (5 months), Montreuil, Ile-de-France

- Developed and modernized intranet operational management tools.

Skills: PHP, MySQL, HTML, CSS, JavaScript, Linux

Altitude Telecom

PHP Developer, August 2008 / February 2010 (1 year and 6 months), Rouen, Haute-Normandie

- Developed Selfcare/Webcare interfaces and web services enabling Altitude Telecom and Bouygues Pro customers to manage their VOIP phones.

Skills: PHP, MySQL, HTML, CSS, JavaScript, Linux

Skills

- **Languages: Java 21**, **Kotlin**, Groovy, SQL, TypeScript, JavaScript, HTML, CSS, PHP
- **Frameworks: Spring Boot**, **Spring**, Spring Cloud Gateway, Hibernate, **JPA**, GraphQL, Thymeleaf, Angular, JUnit, Mockito, Kotest, Spock, Log4j, LogBack
- **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: IntelliJ IDEA**, **Git**, **Maven**, Gradle, **JIRA**, GitHub, GitLab, Postman, Swagger, Sonar, Liquibase
- **Methodology:** Agile, **SCRUM**, TDD, Microservices Architecture, OWASP, GDPR, UML
- **Systems: Linux**, **macOS**, Windows
- **Gen AI & LLM: GitHub Copilot**, **Kiro**, OpenAI, MistralAI, Anthropic Claude, AWS Q
- **Monitoring:** Datadog, New Relic, Dynatrace, Apache Kafka

Languages

- French, native
- English, fluent
- 985 pts TOEIC C1 - Univers des langues, November 2024
- 150 pts TOEIC B1
- 170 pts TOEIC B2
- Spanish, basic level

Training / Certifications

- AWS Certified Cloud Practitioner (December 2025)
- MongoDB Training (October 2025)
- AWS Certified Cloud Practitioner Certification Prep (November 2025)
- AWS Cloud Practitioner Essentials (November 2025)
- Neo4J Training (October 2023)
- AWS Summit (June 2018)
- Security Bootcamp AWS (April 2018)
- CSS3 Expert Training (April 2018)
- AWS Big Data Webinar (February 2018)
- AWS AWSome Day (January 2018)
- AWS Cert Prep Associate Workshop (January 2018)
- Devoxx (2016 and 2017)
- Angular development training (2016 and 2017)
- Android development training (2016)
- Bonita BPM training (2013)
- Oracle PL-SQL programming training (2013)
- Java/Java EE, Spring, JSF, Hibernate training (2013)

Education

- DUT Computer Engineering
- BTS Computer Science, application development

Projects, public sites, and social networks

- **linktr.ee** : https://linktr.ee/StephaneRobinJob
- **LinkedIn** : https://www.linkedin.com/in/st%C3%A9phane-robin-dev-backend-java/
- **CV at Marstech** : my markdown CV transformed on the fly into web page (https://cv.marstech.fr/)
- **Github** : https://github.com/alkaphreak?tab=repositories&type=source
- **Medium Articles** : https://medium.com/@stephane.robin
- **Neo4J Training** : https://graphacademy.neo4j.com/u/5e203efb-c21e-4a8c-8ade-2949daf2ef55/

Hobbies

In no particular order:

- Taekwondo
- Crossfit
- Rollerblading
- Woodworking
- Video games
- Sciences / aerospace
- Science Fiction (Novels, Movies, Series)
- Manga and Animation Films