Tom Sales Soares de Camargo

Junior Backend Developer (Java)

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PROFESSIONAL SUMMARY

Java back-end developer with 2+ years of production experience building Spring Boot microservices for mission-critical systems. Currently at idRC, the digital identity of Brazil's Civil Registry, integrated with gov.br (~300K logins/day). Experienced with REST APIs, SQL, messaging (Kafka, RabbitMQ), Docker, Kubernetes, AWS, CI/CD, testing and generative AI.

TECHNICAL SKILLS

Back-end: Java (17/21), Kotlin, Spring Boot, Spring Data JPA, Hibernate, REST/RESTful APIs, Microservices, OpenAPI, Maven
Data & messaging: SQL, PostgreSQL, MySQL, Oracle, SQL Server, Redis, Apache Kafka, RabbitMQ, Amazon SQS
Cloud & DevOps: AWS (Lambda, SQS, S3, RDS), Docker, Kubernetes, Terraform, CI/CD (GitLab CI, GitHub Actions), Git, Linux
Testing & practices: JUnit 5, Mockito, Testcontainers, SonarQube, Clean Code, SOLID, Clean Architecture, Code Review, Scrum
Security & observability: Spring Security, OAuth 2.0, OpenID Connect, JWT, Keycloak, OWASP, Prometheus, Grafana
AI & front-end: Spring AI (LLMs, RAG), GitHub Copilot, Claude Code · React, TypeScript
Languages: Portuguese (native), English (professional working proficiency)

EXPERIENCE

Junior Java Back-end Developer Mar 2026 – Present
idRC – Brazilian National Civil Registry Operator (ON-RCPN) | Florianópolis, Brazil
Digital identity for Brazil's Civil Registry: ~15 Java 17 / Spring Boot 3 microservices on Kubernetes, ~300K authentications/day.

- Helped diagnose a critical production incident (100K+ gov.br authentication failures in one day), correlating logs, metrics and traces to the root cause.
- Cut a high-traffic endpoint's response time from 600 to 180 ms by removing Hibernate N+1 queries with fetch joins and PostgreSQL indexes.
- Implemented Kafka producers and consumers for audit events with retries, idempotency and a DLQ (~50K events/day).
- Built authentication with OAuth 2.0, OpenID Connect and JWT (Spring Security, Keycloak), following OWASP and LGPD.
- Refactored a legacy module with Clean Architecture and SOLID and documented its APIs with OpenAPI (Swagger).
- Raised test coverage from 55% to 85% (JUnit 5, Mockito, Testcontainers) and cut the CI/CD pipeline (GitLab CI, SonarQube) from 40 to 25 min.

Java Back-end Developer Intern Oct 2024 – Mar 2026
Avanti E-commerce & Digital Marketing | Florianópolis, Brazil
Innovation team (Labs): end-to-end e-commerce projects, from architecture to deployment on AWS.

- Designed and built from scratch a VTEX–TikTok Shop integration (catalog, orders and inventory via REST APIs and webhooks) with event-driven microservices and 50K+ SKUs in sync.
- Migrated the solution from VTEX to serverless AWS (Lambda, API Gateway, SQS, S3, RDS) with Terraform, re-architecting several components and cutting average response time by ~40%.
- Optimized SQL queries and PostgreSQL indexes (Spring Data JPA), cutting a sync job from 12 to 3 min.
- Maintained and evolved a large internal Java/Spring Boot system with Docker, JUnit, Mockito, GitHub Actions CI/CD and code reviews in a Scrum team.
- Worked with Kotlin, RabbitMQ, MySQL, Oracle and SQL Server on other projects and prototyped generative AI features with Spring AI (LLMs, RAG).

PROJECTS

PSC Challenge – ICP-Brasil digital signature github.com/tomsalescamargo/psc-challenge

- Java 21 / Spring Boot 4 back-end simulating a Trust Service Provider: OAuth 2.0 (Authorization Code + PKCE), RSA and post-quantum (ML-DSA) signatures with BouncyCastle, X.509 certificates, PostgreSQL and Docker.

EasyPay API – Digital wallet github.com/tomsalescamargo/easypay-api

- Java 17 / Spring Boot 3 API with atomic transfers (ACID, @Transactional, rollback), database-enforced idempotency, BCrypt (Spring Security), global error handling and JUnit 5/Mockito tests.

PrevenFire IoT – Real-time monitoring github.com/tomsalescamargo/prevenfire-iot

- Spring Boot 3 microservices behind an API Gateway (Spring Cloud Gateway), with database-per-service on PostgreSQL, Docker Compose and JUnit 5 tests, integrated with an ESP32 and a React Native app.

EDUCATION

B.S. in Information Systems Mar 2024 – Jul 2028 (expected)
Federal University of Santa Catarina (UFSC)
GPA 9.08/10 · Object-Oriented Programming, Data Structures, Databases, Software Engineering and Parallel Programming.

CERTIFICATIONS

AWS Academy Graduate – Cloud Architecting | Amazon Web Services (AWS) Nov 2026