Juliano Sena da Silva Carlos

SENIOR BACKEND ENGINEER | TECHNICAL LEAD | JAVA • KOTLIN • AWS

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US permanent resident | Authorized to work in the United States

PROFESSIONAL SUMMARY

Senior Backend Engineer and Technical Lead with 14+ years of experience delivering cloud-native and business-critical platforms across financial services, automotive, logistics, insurance and healthcare. Specialist in Java/Kotlin, Spring Boot, AWS, REST APIs, microservices and event-driven systems. Led teams of 4–10 engineers and built services handling millions of requests per day. Known for translating complex business rules into maintainable software, strengthening engineering delivery and bringing products from MVP to reusable, scalable platforms.

CORE TECHNICAL SKILLS

Backend & architecture: Java, Kotlin, Spring Boot, Spring Cloud, Node.js, REST APIs, microservices, event-driven architecture, CQRS, Clean Architecture, SOLID

Cloud & DevOps: AWS (ECS/Fargate, Lambda, Bedrock, API Gateway, S3, CDK, CloudFormation, Kinesis), Azure, Docker, Kubernetes, Terraform, Jenkins, GitLab CI, CI/CD

Messaging, data & reliability: RabbitMQ, Kafka, PostgreSQL, Oracle/PL/SQL, MongoDB/DocumentDB, DynamoDB, OpenSearch, Grafana, Prometheus, JUnit, Spock, integration and end-to-end testing

PROFESSIONAL EXPERIENCE

Volkswagen Digital Solutions / MAN Truck & Bus | Senior Software Engineer | Sep 2024–Present

- Built Kotlin/Java Spring Boot services for MAN’s product-information portal, covering vehicle-model search, variant collections, component validation and prototype configuration; gave engineering teams a consistent workflow for navigating complex truck-product options.
- Developed ingestion of large product-model snapshots into PostgreSQL and an AWS Bedrock-powered assistant to analyze configuration rules and compare rule sets across approximately 1 GB of source data.
- Created reusable security, validation and dependency-management libraries, and promoted Clean Architecture practices to improve consistency, testing and maintainability across services.

Zup Innovation / Itaú Unibanco | Senior Software Engineer / Technical Lead | Dec 2017–Jul 2024

- Led teams of 4–10 engineers and evolved “Benefit Store” from an MVP into a multi-tenant benefits platform adopted across 10+ credit-card channels, reducing new-channel rollout from months to one week.
- Developed Java/Kotlin Spring services for a high-volume platform handling millions of requests daily, engineering against subsecond API response requirements and emphasizing resilient integrations.
- Helped architect AWS- and RabbitMQ-based event-driven services for Itaú’s iPhone marketplace, connecting order, payment, eligibility and device-upgrade workflows to support installment purchases and ongoing upgrades.
- Strengthened quality and delivery through automated integration/E2E tests, production monitoring, security controls and CI/CD practices; partnered with product stakeholders to prioritize features and iterate on business hypotheses.

Softvaro Consultoria / HDI Seguros | Senior Software Engineer / Technical Lead | 2016–Dec 2017

- Led engineering and solution design for enterprise insurance applications built with Java, Spring, JBoss and Angular; translated policy and pricing rules into service logic and API integrations.
- Mentored engineers, addressed performance and security concerns, and developed Jenkins extensions to support repeatable build and delivery workflows.

CI&T | Software Engineer | Nov 2014–Aug 2015

- Built Java/Spring and Oracle PL/SQL functionality for an advertising-pricing system, implementing consistent calculations aligned with commercial pricing rules.
- Contributed backend and Angular capabilities to Banco Original’s main digital banking application, supporting core customer-facing financial workflows.

CPqD | Systems Analyst / Software Engineer | Dec 2012–Sep 2014

- Developed Java, JBoss and Oracle/PL/SQL components for a geographic power-network planning system used to assess placement of electrical lines and transmission towers.
- Worked with product and architecture stakeholders on requirements, technical design and delivery of location-based infrastructure workflows.

Transportadora Americana | Software Engineer | Sep 2011–Dec 2012

- Built real-time GPS fleet tracking with vehicle status, location history and fuel/sensor information, helping logistics teams monitor transport operations and respond to changing conditions.
- Developed internal web applications and an intranet to centralize company information and operational workflows.

Digitale | Web Developer | Jan 2009–Sep 2011

- Developed a content management system and public-facing websites for high-visibility clients and campaigns, including Sandy’s artist website and the Bridgestone Music Festival.

ADDITIONAL CLIENT PROJECTS

Unicred: Built Java/Spring and Azure-backed integrations for consórcios workflows, enabling customers to request letters of credit through the bank's application.

Carelon & Luma Health: Developed Java/Quarkus APIs and Node.js/RabbitMQ messaging services for healthcare software and asynchronous integrations.

Caterpillar & Sainsbury's: Contributed Kafka-based real-time equipment notifications and Java/Spring microservices for retail business applications.

EDUCATION

University of London | Bachelor's degree in Computer Science, in progress (expected 2029)

Centro Universitário UniMetrocamp | Bachelor of Technology in Information Technology, 2013

CERTIFICATIONS & LANGUAGES

The AI Engineer — Scrimba (Mar 2025) | Formação Inteligência Artificial — branas.io | AWS Certified Cloud Practitioner

Portuguese: native | English: professional working proficiency