

José Ricardo Zanardo Junior

32 years old, brazilian, married

Campinas - SP / Brasil

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Professional Summary

Senior Full-Stack Engineer with 15+ years of experience building and scaling web and cloud applications. I have led projects transitioning legacy systems to modern architectures while ensuring reliability and performance. I work closely with product, design, and QA teams to translate requirements into maintainable solutions and mentor junior developers to foster best practices. Passionate about continuous learning and driving impactful outcomes.

Educational Background

- Bachelor of Computer Science - IBTA Metrocamp
- IT Technician - Colégio Técnico de Campinas (COTUCA/UNICAMP)

Languages

- English - Advanced/Fluent
- Spanish - Intermediate

Main Technical Skills

Languages & Frameworks

- Java EE (7, 8, 11, 15, 17, 21) / Kotlin: Spring Boot, Quarkus, Micronaut, Spark, Jersey (10+ years)
- JavaScript / TypeScript: React, Node.js, Angular (7+ years)
- Python: Django, Flask (3+ years)

Architecture & Design

- Experience designing, diagramming, and maintaining monolithic services, as well as planning and executing migration to microservices architecture (7+ years)
- Creation of architectural decision diagrams to guide service decomposition, component boundaries, and deployment topology (7+ years)
- Familiarity with common design patterns: Factory, Singleton, Adapter, Observer, Strategy, CQRS, Event-Driven and others

APIs & Messaging

- Design, development, and consumption of RESTful APIs (10+ years)
- gRPC (both server- and client-side implementations) (3+ years)
- Experience with SOAP integrations (5+ years)
- Messaging systems: RabbitMQ, Kafka (6+ years)

CI/CD & Containerization

- Docker, Kubernetes (EKS, AKS) (6+ years)
- GitLab CI/CD (advanced) (6+ years)
- GitHub Actions (5+ years)
- Azure DevOps: Repos, Pipelines, Boards, Artifacts, AKS, App Service (4+ years)
- Jenkins (5+ years)
- Terraform / Terragrunt (5+ years)

Cloud & Managed Services

- Amazon AWS: EC2, S3, Lambda, API Gateway, CloudWatch, RDS, CloudFront, EKS, SNS, SQS, IAM (7+ years)
- Microsoft Azure: VMs, Blob Storage, Azure Functions, API Management, Monitor, Azure SQL Database, Azure Front Door, AKS, Service Bus, Azure Active Directory (4+ years)
- Google Firebase: Cloud Firestore, Realtime Database, Authentication, Hosting (4+ years)

Databases & Persistence

- Relational Databases: Oracle, MySQL, Microsoft SQL Server, SQLite; Query optimization and SQL routine tuning (11+ years)
- NoSQL Databases: MongoDB, CouchDB and DocumentDB (8+ years)
- Caching / In-Memory Stores: Redis, Apache Ignite (8+ years)
- GIS/Spatial: Integration with Smallworld GIS for electric grid data ingestion (5+ years)

Additional Technologies

- Ionic (hybrid apps for iOS and Android) (4+ years)
 - Observability, monitoring and code-quality: SonarCloud, DataDog, New Relic (8+ years)
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Professional Experience

2022/01 – [...]: X-Team / Riot Games

Position: Full Stack Senior Software Engineer

- Designed, implemented, and maintained a suite of localization microservices that support every Riot title. Built core services in Java 17/21 with Spring Boot and Node.js/Express, adopting an event-driven approach (Kafka/SQS) to handle thousands of translation units daily. This redesign streamlined the localization pipeline, cutting turnaround time by 30% and increasing uptime during peak release cycles.
- Developed high-performance integration jobs to synchronize data bi-directionally with external language vendors. Optimized processing logic and data transformations to ensure near-real-time updates under heavy loads, enabling content teams to deliver localized assets 20% faster.
- Architected and managed AWS infrastructure using Terraform and Terragrunt, deploying containerized services to EKS. Automated CI/CD pipelines with blue/green deployment strategies, ensuring zero-downtime releases and reducing rollback risk.
- Led observability efforts by integrating SonarCloud for continuous code quality analysis and DataDog for centralized logging, metrics, and alerting. Created dashboards and alert rules that cut incident detection time in half and accelerated root-cause analysis, resulting in a 40% reduction in critical production incidents.
- Collaborated closely with UX designers and frontend engineers to build and maintain React-based web clients for localization tools. Translated design mockups into responsive interfaces, improving user satisfaction scores among internal stakeholders.
- Drove system design discussions, producing C4/UML diagrams to guide service decomposition, define component interactions, and document deployment topology—helping the team make informed decisions about scalability and fault tolerance.

2020/12 – 2024/04: Ci&T Software

Position: Full Stack Senior Software Engineer / TechLead

- Led the development and enhancement of a portfolio of scalable microservices built on Java 17 and Spring Boot, backed by MongoDB and Redis for caching. Introduced RabbitMQ and Kafka to decouple services and improve throughput, resulting in a 25% decrease in processing time for critical business workflows.
- Architected and optimized integration jobs that synchronized data with multiple external ERP systems. By refactoring complex data transformation pipelines, reduced synchronization errors by 40% and accelerated end-to-end data delivery.
- Orchestrated cloud infrastructure and CI/CD workflows in Azure DevOps: automated build/test/deploy pipelines, implemented blue/green deployments in AKS to guarantee zero downtime, and configured load balancing and API management—cutting release lead time in half and reducing rollback incidents by 30%.
- Championed observability by integrating SonarCloud for continuous code quality scans and New Relic for application performance monitoring. Created custom dashboards and alert policies that identified performance bottlenecks at a glance, enabling the team to address critical issues 50% faster.

- Acted as Technical Lead and mentor for a cross-functional squad of 6 engineers: reviewed architecture designs, conducted code reviews, and guided peers in adopting best practices (unit/integration testing, SOLID principles). This mentorship elevated team velocity and code maintainability, decreasing defect rates by 20%.
- Collaborated with product owners and UX designers to deliver new features on the frontend using React and Next.js. Translated wireframes into responsive interfaces, improving user engagement metrics by 15% and ensuring consistent design across web applications.
- Drove system design sessions—drafted UML and C4 diagrams to define service boundaries, data models, and deployment topology—which laid the groundwork for seamless scaling and future platform evolution.

2017/08 – 2020/12: Kaffa Mobile

Position: Senior Software Developer

- Enhanced and maintained core product modules for power management and electrical network systems, collaborating with the internal product team to deliver tailored solutions for utility companies. By modularizing shared logic into reusable libraries, reduced feature rollout time by 30%.
- Designed and implemented microservices in Java and Kotlin to handle large-scale data ingestion from GIS/Smallworld (EO) and SAP systems. Developed REST and SOAP interfaces that ingested entire city electrical network datasets—processing from 5 to 10 millions of records nightly—ensuring data accuracy for downstream analytics and operational tools.
- Built high-throughput ETL jobs in JavaScript (TypeScript) with Node.js to transform and normalize geospatial and electrical asset data for the internal application, and then convert enriched data back into ERP-compatible formats. These improvements cut data synchronization errors by 25% and accelerated data refresh cycles by 40%.
- Developed frontend components in React to visualize network maps and power-management dashboards. Collaborated closely with UX designers to present real-time metrics and alerts, leading to a 20% increase in user adoption among field engineers.
- Instituted unit testing best practices using JUnit, increasing test coverage from 50% to 85% and significantly reducing production bugs.
- Improved and expanded GitLab CI/CD pipelines to automate builds, tests, and deployments for both microservices and frontend artifacts, enabling teams to deploy daily with confidence and reducing manual intervention by 60%.
- Mentored junior developers in Java/Kotlin, Node.js, and React, conducting code reviews and pairing sessions that raised overall code quality and sped up onboarding for new team members.

2016/11 – 2017/08: Daitan Group**Position: Software Development Specialist**

- Managed and enhanced the company's core project management, operational, and financial systems, built on a mix of Java and Ruby on Rails. Refactored key modules to improve code readability and maintainability, reducing average bug turnaround time by 25%.
- Developed new features and UI components in ReactJS, collaborating with UX designers to create responsive, user-friendly interfaces for internal dashboards. These enhancements increased user adoption and decreased support tickets by 15%.
- Integrated backend services with Microsiga and SAP systems via REST APIs, automating data exchange for invoicing and resource planning. This automation eliminated manual data entry, cutting reconciliation errors by 30% and accelerating month-end closes.
- Implemented standardized coding practices and conducted regular code reviews, raising overall code quality and reducing technical debt.
- Coordinated with operations and finance teams to gather requirements, ensuring that system improvements aligned with business goals and compliance needs.

2014/06 – 2016/11: Vector Informática**Position: Java EE Developer**

- Developed and maintained a Java-based hospital management system (Maven, Hibernate), optimizing SQL routines to improve data retrieval speed by over 30%.
- Built RESTful web services and a multi-layer integration framework for seamless data exchange with third-party systems, reducing synchronization failures by 40%.
- Integrated PayPal's REST API for secure online payments, increasing online billing adoption by 50% and enhancing transaction security.

2013/05 – 2014/06: Vector Informática**Position: Delphi Developer**

- Developed and maintained Delphi 7 modules with Oracle backend, optimizing SQL routines to improve data processing efficiency by over 20%.
- Managed version control using JEDI and SVN, and generated comprehensive reports with QuickReports and RaveReports to support business insights.

2013/02 – 2013/04: VM System Informática**Position: Delphi Developer**

- Developed and customized integrated systems using Delphi, interfacing with Oracle and Firebird databases to meet client specifications.
- Implemented new feature requests and resolved defects quickly, improving system reliability and customer satisfaction.

2012/01 – 2013/01: CHG Automotiva LTDA.

Position: Junior Systems Analyst

- Developed internal Delphi applications with Firebird, Informix, and SQL Server backends, creating DataSnap-based (JSON/XML) communication servers for seamless data exchange.
- Implemented core features for the integrated system, reducing manual processing steps and improving data accuracy for daily operations.

2011/01 – 2011/12: RTI Automação

Position: Systems Developer Trainee

- Developed an integrated employee management system in Delphi 7, creating HTML-based reports that streamlined internal data access and reduced manual reporting efforts.
- Provided operational support and user training, enabling staff to adopt new system features quickly and improving overall productivity.