Rafael Paraná e Silva Landi

HANDS-ON TECH LEAD & SOFTWARE ARCHITECT

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Professional Summary

Over 24 years of software engineering experience with deep expertise in technical leadership of agile squads and direct hands-on execution across distributed, mission-critical architectures. Proven track record designing high-throughput APIs, real-time data streaming and orchestration pipelines (Apache Kafka, CDC/Debezium), event-driven microservices with Node.js and TypeScript, and multi-cloud governance (GCP, AWS, Azure) using Infrastructure as Code (Terraform) and FinOps. Specialist in Clean Architecture, DDD, TDD, and SOLID, with strong focus on mentoring teams, facilitating strategic code reviews, reducing cognitive load, and driving continuous delivery excellence.

Professional Experience

Artcoder

Founder & Principal Software Architect | May 2026 – Present

- Architected, built, and operated end-to-end proprietary web and mobile products (jogosdeairsoft.com.br, ProntoOrcei, and MostruárioApp).
- Applied modern cloud-native and edge-first practices (Node.js, TypeScript, Nuxt 4, Flutter, MongoDB, and Cloudflare) focused on high availability, offline-first architecture, FinOps, and continuous delivery.

Questrade Financial Group

Platform Engineering Tech Lead | May 2022 – Apr 2026

- Hands-on leadership in designing and implementing real-time Change Data Capture (CDC) pipelines between relational databases and Apache Kafka clusters.
- Automated and governed multi-cloud infrastructure (GCP/AWS) using Terraform (IaC) and container orchestration via Kubernetes (GKE).
- Established observability standards with Datadog for proactive monitoring of high-throughput APIs and streaming pipelines.

- Built internal developer tools and platform abstractions aimed at reducing cognitive load for product engineering teams.

Vizir (Squad Natura Evolução)

Senior Software Engineer / Technical Reference | May 2021 – Mar 2022

- Architected and developed resilient, high-availability APIs with Node.js and TypeScript, supporting a 99.9% service-level objective (SLA).
- Acted as a technical multiplier through pair programming, architecture workshops, and strategic code reviews grounded in engineering best practices.
- Continuously optimized CI/CD pipelines to enable frequent, automated, and reliable production deployments.

Medprev

Tech Lead & Multi-Cloud Governance | Jun 2020 – May 2021

- End-to-end technical leadership for web and mobile ecosystems built with Node.js and Vue.js.
- Defined scalable architectures and established multi-cloud governance across AWS, Azure, and GCP with FinOps practices.
- Embedded automated testing culture (TDD) and consolidated continuous integration and delivery pipelines.

Earlier Career Foundation

Senior Developer / Technical Manager | 2001 – 2020

- 19-year track record at **Grupo Massa**, **Datainfo**, and **IB Tecnologia** in technical leadership and enterprise backend software development.
- Extensive background across .NET, Java, PHP, SQL Server, MySQL, and IT operations management.

Education

- **Associate Degree in Systems Analysis and Development** | UniCesumar, 2016 – 2018

Featured Projects

- **High-Concurrency Seat Reservation POC** (github.com/rparana/poc-asaas): Real-time concurrency control proof of concept using Redis distributed locks,

MongoDB transactions to prevent overbooking, and Server-Sent Events (SSE) synchronization in Node.js.
- **jogosdeairsoft.com.br**: Production community event management platform built with Node.js, Nuxt 4, MongoDB, and Cloudflare edge caching and security.
- **ProntoOrcei**: Productivity mobile application for fast quote generation with an offline-first architecture built in Flutter.
- **MostruárioApp**: Digital product catalog and inventory management mobile app with full offline operation built in Flutter.

Languages

- **Portuguese:** Native
- **English:** Advanced / Professional Working Proficiency (B2+) — Daily collaboration with international engineering teams

Core Competencies

Category	Technologies & Methodologies
Architecture & Practices	Clean Architecture, DDD, TDD, SOLID, Microservices, Event-Driven Architecture, Outbox Pattern
Languages & Runtimes	Node.js, TypeScript, JavaScript, NestJS, Express, Vue.js / Nuxt 4, SQL
Streaming & Data	Apache Kafka, CDC (Debezium), RabbitMQ, PostgreSQL, MongoDB, Redis (Distributed Caching & Locking)
DevOps & Cloud	Kubernetes (GKE), Terraform (IaC), CI/CD, GitOps, Multi-Cloud (GCP, AWS, Azure), FinOps
Observability & Leadership	Datadog, DORA Metrics, Squad Leadership, Code Reviews & RFCs, DevEx