

Sérgio Brito

Senior Full-Stack Engineer | Ruby on Rails · React Native · Python · TypeScript | AI Integration | 10+ Years

Campo Grande, Brazil (Remote) · sergio.ssbfg@gmail.com · linkedin.com/in/sergio-brito145

ABOUT

Senior full-stack engineer with 10+ years building production systems end-to-end — backend, frontend, mobile, AI pipelines, and infrastructure. I've delivered platforms serving thousands of concurrent users across fintech, healthtech, e-commerce, logistics, and edtech. Sometimes as a core engineer inside a team, sometimes building the whole thing solo from zero.

I've worked professionally with Ruby, Python, Java, TypeScript/Node, and different frontend frameworks. The language or framework is never the bottleneck — what I care about is clean data modeling, good architecture, and keeping things simple enough to scale without becoming a mess. I also tend to improve what's around me as I go — fixing CI pipelines, cleaning up legacy code, pushing for better patterns. Lately I've been deep into AI integration: video processing with computer vision, function-calling agents, RAG, and recommendation engines.

PROFESSIONAL EXPERIENCE

Senior Data Migration Engineer

Monument (Remote, US) · 2025

- Led client data migration for a self-storage platform — dozens of enterprise clients, hundreds of facilities, thousands of units
- Mapped and transformed complex datasets from competing platforms, handling financial calculations: amortization, interest accruals, late fees, penalty recalculations
- Built internal tools that significantly increased migration speed and reduced client onboarding friction. TypeScript/Node.js, MySQL, Claude Code

Principal Software Engineer

VIK (Remote) · Jun 2023 – Jul 2025

- Led platform re-architecture for enterprise B2B; achieved 99%+ performance improvement via query tuning, caching, and async jobs (Sidekiq)
- Built interactive dashboards (Rails + React) — data that took 2 days now loads instantly; created Looker/BigQuery analytics layer
- Shipped AI agents and "Vik Nutri" AI product (1,000+ users); pushed company-wide Cursor AI adoption and mentored all dev teams

Senior Software Engineer (Consultant)

META | YOUSE — Caixa's Digital Insurance (Remote) · Nov 2022 – May 2023

- Led legacy data migration (CSV/JSON → unified schemas) critical for risk assessment at Brazil's largest digital insurer
- Designed microservices (Node.js/Ruby) within 50+ service messaging architecture; built automated validation pipelines
- Delivered React dashboards for claims analytics; managed AWS deployments (S3, RDS, ECS) with CI/CD

Software Engineer

Adminer (Remote, B2C) · Sep 2021 – Nov 2022

- Built e-commerce analytics platform (millions of requests/day); shipped "Adminer Analytics" Chrome extension (50,000+ downloads)
- Async data processing at scale (Node.js, Ruby), proxy orchestration, complex aggregations across PostgreSQL, MongoDB, Elasticsearch
- Revamped frontend (Angular + Tailwind); introduced CI/CD pipelines reducing deployment errors by 90%

Java Software Developer

MJV Technology & Innovation | Bradesco Insurance (Remote) · Nov 2020 – Nov 2021

- Developed critical features (Java/Spring Boot); async batch processing up to 1M records/day; ETL with Airflow
- PostgreSQL optimization (indexing, partitioning, query tuning) — cut average query time by 60%

Java Developer

PSG | DETRAN — Government Traffic Dept. (Remote) · Jan 2017 – Nov 2020

- Full lifecycle of a large-scale government infractions system integrated with multiple public platforms
- Built internal tools, designed relational models in PostgreSQL; established DevOps on Heroku — 99.9% uptime

Programming Instructor (Java)

Portal Educação (On-site) · Jan 2015 – Dec 2016

- Taught Java and OOP to kids and teenagers; designed lesson plans and exercises from scratch for students with zero experience

SIDE PROJECTS

I've shipped dozens of side projects over the years. The three most recent are live in production — all built solo, monorepo architecture (Rails + React Native/Expo), deployed on DigitalOcean with CI/CD.

SelfScore (selfscore.app) — Amateur football analytics with AI video analysis. Multi-camera sync, computer vision pipeline (GPT Vision), gamification with XP/levels/trophies, real-time chat. Rails 8, React Native, OpenAI Vision, PostgreSQL.

Free Diária — Gig-work marketplace with intelligent matching, swipe-based discovery, digital wallet (PIX), bidirectional reviews, real-time chat. Rails, React Native, Stripe, Google Maps.

AircTech — AI-powered dev studio with automated project scoping via conversational AI, viability scoring, and client management. Rails 8, React Native, OpenAI, Claude.

Other notable work: UpperGR Fleet Management (10k+ vehicles) · BBE Tour Generation (RAG workflow, days → seconds) · Hetal Retail (120k+ lines of tests in 4 weeks) · 20+ Docker infrastructure setups · Dozens of AI agents for real businesses (WhatsApp/Discord/Slack)

CORE SKILLS

Backend: Ruby on Rails, Python, Node.js/TypeScript, Java, REST APIs, Sidekiq, background jobs

Frontend: React, Angular, Stimulus/Hotwire, Tailwind CSS, responsive UI

Mobile: React Native, Expo

Databases: PostgreSQL (advanced tuning), MySQL, MongoDB, Elasticsearch, pgvector, BigQuery

AI & Automation: OpenAI (GPT, Vision, Whisper), Claude, Gemini, RAG, function calling, agents, computer vision pipelines

Cloud & DevOps: AWS (S3, RDS, ECS, Lambda), DigitalOcean, Docker, Kubernetes, GitHub Actions, GitLab CI

Quality & Methods: TDD/BDD (RSpec, Jest), E2E testing, CI/CD, Agile, Scrum, Shape Up, async-first collaboration

EDUCATION & LANGUAGES

B.Sc. Software Engineering — Federal University of Mato Grosso do Sul, Brazil

Portuguese (Native) · English (Advanced) · Spanish (Advanced)