

Washington Cardoso Pereira - Full Stack Developer

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<https://github.com/wasdevv> | Portfolio: wasdevv-portfolio.vercel.app

Professional Summary

Full Stack Engineer with 4+ years of experience in Ruby on Rails and multi-tenant SaaS. Focused on backend performance, resilient architecture, and observability. I deliver measurable production improvements, ranging from queries running 63,000x faster and external integrations with 99.9% uptime to increasing test coverage from 35% to 85%.

Professional Experience

Developer Full Stack | was Advisory

Ago 2023 - current

- Optimized a critical endpoint, reducing latency from 3.5s to 180ms (-94%) by eliminating N+1 queries, implementing eager loading, and using multi-layer Redis caching for a route handling 10k+ requests/day.
- Reduced PostgreSQL query response times on a 14M+ record database from 12.7s to 0.2ms (~63,000x faster) using composite indexes and refined query strategies.
- Re-architected the CSV export pipeline, migrating from synchronous processing to an asynchronous architecture (Sidekiq, PostgreSQL COPY, streaming, Amazon S3), reducing the time to process 1.77M records from ~80 hours to 7 minutes (~600x faster).
- Designed an integration with the SINAL API (multi-tenant, 100k+ records/month) featuring a resilient architecture—including Circuit Breaker, Exponential Backoff Retries, the Outbox Pattern, and advisory locks—maintaining 99.9% uptime.
- Enhanced the "Active Debt" module (multi-tenant, 50+ municipalities), delivering 15+ customizations via feature flags during the Rails 7 → 8 migration, which reduced delivery time by 60% and support tickets by 59%.
- Increased test coverage from 35% to 85% using RSpec and Capybara within a CI/CD pipeline integrated with RuboCop and Brakeman, measurably reducing production bugs.
- Removed 33 unused indexes and added unique indexes to join tables using concurrent migrations (zero downtime), resolving a race condition in protocol generation by implementing `pg\_advisory\_xact\_lock` scoped by department and year.
- Published open-source Ruby projects: a trilogy of Claude Code plugins (lean-output, rails context, rails-guard) and Swarm, an Agent Development Environment built with Rails 8 and Hotwire.

Developer Full Stack | GoTech DS

Jun 2023 — Jul 2023

- Contributed to features for the Go Tech DS product using Ruby on Rails and Devise (authentication: login, sign-up, password recovery; dashboard adjustments), participating in code reviews and pair programming within the team's Trello workflow.

Developer Full Stack | Freelance & Trainee

Nov 2022 — Maio 2023

- Delivered end-to-end blogs, landing pages, and mini-applications for direct clients, handling requirements, PostgreSQL modeling, Ruby on Rails backends, frontends, CI/CD, SSL, and support, while utilizing various technology stacks tailored to each project (e.g., Stimulus, Tailwind, AWS S3, payment gateways).
- Managed direct client communication, scope negotiation, and pricing, fostering long-term relationships.

Technical Skills

- **Backend & Languages:** Ruby on Rails, Sinatra, Ruby, JavaScript, Python, SQL, Shell Script
- **Databases & Infra:** PostgreSQL, Redis, Elasticsearch, AWS, Docker, Kubernetes, ArgoCD, Kamal, GitOps
- **Testing & Practices:** RSpec, Capybara, TDD, Clean Architecture, DRY, KISS, SOLID, Design Patterns, RESTful APIs, Event-Driven

Languages

English: B2 (Technical reading, writing, and speaking)

Portuguese: Native

Educational background

Systems Analysis and Development (ADS) | Wyden — São José do Rio Preto, SP 2024 - 2026

(In progress — expected completion: Dec. 2026)

Treina-Dev | Campus Code Group 10 - 2023