

ISAAC ALVES

Software Engineer · Ruby on Rails · Remote — Brazil (UTC-3)

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PROFESSIONAL SUMMARY

Ruby on Rails Engineer with 4+ years of ownership over production backend systems across healthcare, SaaS, and fintech — from legacy Rails 4.2 refactors to greenfield Rails 8 applications. Known for shipping measurable improvements: moderation pipelines reduced false positives by 35%, CI/CD overhauls cut deployment time by 50%, legacy refactors slashed onboarding from 2 weeks to 4 days. Writes RSpec before code, ships Docker-ready, and works best in small remote teams where engineering decisions have direct business impact.

WORK EXPERIENCE

Software Engineer · Umanni

São Paulo, Brazil (Remote) | Dec 2025 – Present

- Eliminated technical debt by leading the full decommissioning of the legacy goals module — removing orphaned routes, controllers, scripts, and DB artifacts — while preserving CI and migration stability across all active tenants.
- Improved data reliability for HR decisions by fixing critical review/reporting inconsistencies (import-related duplication and identifier/job-role mismatches) affecting all tenants on the platform.
- Reduced feedback moderation false positives by ~35% by refactoring moderation logic to token matching and adding batch retrieval to feedback pipelines.
- Accelerated investigation of unfamiliar legacy modules by ~40% by integrating Claude Code for legacy code analysis and automated test generation.

Stack: Ruby on Rails · PostgreSQL · RSpec · GitHub Actions · Sidekiq · Redis

Software Engineer · Crescer Technology

Belo Horizonte, Brazil (Remote) | Feb 2025 – Nov 2025

- Maintained and evolved a large-scale public healthcare platform with a multi-engine Rails architecture covering surgery scheduling, inpatient admission, TISS billing, immunizations, and electronic health records.
- Improved surgical scheduling accuracy for 10+ operating rooms by leading a major refactor — adding OR reservation, a structured cancellation flow with mandatory justification, and a full audit trail.
- Improved average page response time by ~20% by reducing SQL query complexity, extracting reusable JS utilities, and eliminating redundant database calls across critical modules.
- Reduced time-to-PR on complex legacy tickets by ~30% by using Cursor AI to accelerate pattern identification across the large codebase.

Stack: Ruby on Rails · PostgreSQL · JavaScript · SQL · RSpec

Software Engineer · Big Data Health

Teresina, Brazil (Remote) | Aug 2024 – Jan 2025

- Increased maintainability by 40% and reduced average developer onboarding time from ~2 weeks to ~4 days by refactoring a legacy Rails 4.2 codebase, introducing Interactors and Service Objects to decouple business logic.
- Reduced production bugs by 25% by implementing TDD with RSpec and FactoryBot across core business logic that previously had no test coverage.
- Cut deployment time by 50% and enabled daily releases by collaborating with the DevOps team to automate CI/CD pipelines using Docker, Kubernetes, and Azure Pipelines.
- Improved query performance and system observability across data-intensive components via New Relic monitoring and targeted PostgreSQL/ElasticSearch optimization.

Stack: Ruby on Rails · Docker · Kubernetes · Azure Pipelines · New Relic · ElasticSearch · PostgreSQL

Software Engineer · Fetchly Labs

Austin, Texas, USA (Remote) | Jul 2023 – Jun 2024

- Built and maintained scalable backend services in Ruby on Rails serving 10,000+ active users across multiple client products.
- Increased user engagement by 30% by delivering customer-facing features with Vue.js and Tailwind CSS.
- Reduced average API response time by ~25% by optimizing PostgreSQL queries and refining RESTful API design to support a growing user base.
- Improved team productivity through systematic pair programming and collaborative debugging sessions across distributed teams.

Stack: Ruby on Rails · Vue.js · Tailwind CSS · PostgreSQL · REST APIs

Software Engineer (Intern) · IFPI – Federal Institute of Piauí

Teresina, Brazil | Mar 2022 – Mar 2023

- Developed and deployed internal systems in Ruby on Rails to support academic and administrative workflows.

- Designed intuitive interfaces with Tailwind CSS, improving usability for non-technical users.
- Promoted clean code practices and cross-functional collaboration in student teams.

Stack: *Ruby on Rails* · *Tailwind CSS* · *PostgreSQL* · *Git*

TECHNICAL SKILLS

Languages: Ruby, JavaScript / TypeScript, SQL, Bash

Frameworks & Libraries: Ruby on Rails 8, Hotwire (Turbo + Stimulus), Vue.js, Sidekiq, Solid Queue, RSpec, FactoryBot

Databases: PostgreSQL, MySQL, Redis, SQLite — query optimization, indexing, migrations

Infrastructure & DevOps: Docker, Kubernetes, Kamal, GitHub Actions, Azure Pipelines, CI/CD

Observability: New Relic, Elasticsearch, Grafana

Practices: TDD, refactoring, code review, Agile/Scrum, legacy modernization, REST API design

NOTABLE PROJECTS

finance-app · github.com/isaacvlvs/finance-app · Rails 8 · Hotwire · Tailwind CSS · PostgreSQL

Modern personal finance management system built with Rails 8 and Hotwire. Demonstrates current-stack mastery including Turbo Frames, Stimulus, and real-time UI without a SPA.

bjj-admin-core · github.com/isaacvlvs/bjj-admin-core · Rails 8.1 · Hotwire · Devise + Pundit · Solid Queue · RSpec · Docker · Kamal

Full back-office SaaS for BJJ academy management: LGPD-compliant student registration with digital health records, plans, enrollments, automated overdue billing via background jobs, role-based access (owner / teacher), PWA-ready, and CI pipeline with RSpec, Brakeman, and RuboCop.

payment-system-api · github.com/isaacvlvs/payment-system-api · Ruby on Rails · REST API · PostgreSQL

RESTful payment API with clean separation of concerns, token-based auth, and documented endpoints — demonstrates API design discipline in a production-like context.

EDUCATION

Technician in System Development · Federal Institute of Piauí (IFPI) · 2021 – 2023