

# Juan Vásquez

## SENIOR RUBY ON RAILS ENGINEER · RAILS MODERNIZATION SPECIALIST

Rails contributor · Open-source maintainer · 700+ merged pull requests

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The engineer teams bring in when a Rails application has fallen behind. 10+ years building and modernizing production Rails apps: upgrades across major versions (client apps as far back as Rails 2, up to the latest 8.1), multi-tenant SaaS, background-job and memory work on live systems, and cloud migrations, done incrementally so teams keep shipping throughout. Contributor to Ruby on Rails itself and to the upgrade tooling the community relies on. Bilingual, fully remote.

### TECHNICAL SKILLS

#### LANGUAGES

Ruby JavaScript TypeScript SQL

#### FRAMEWORKS

Ruby on Rails Turbo / Hotwire Stimulus React TailwindCSS HAML / ERB

#### BACKGROUND & DATA

Sidekiq Redis / Kredis Active Job / Delayed Job PostgreSQL MySQL Active Storage AWS S3 / Cloudflare R2

#### TESTING

RSpec Minitest Capybara FactoryBot CI test-suite optimization

#### INFRASTRUCTURE

Docker CI/CD (GitHub Actions, CircleCI) Heroku / Railway Sentry memory profiling / jemalloc  
Sprockets / Propshaft / Vite

### PROFESSIONAL EXPERIENCE

#### Senior Software Engineer — OmbuLabs / FastRuby.io, Remote

April 2022 to Present

Rails work for 12 client companies, from payments and healthcare to music distribution and edtech, at the consultancy behind `next_rails` and `RailsBump`. Embedded with client engineering teams so their developers can maintain the work after the engagement ends.

- **Rails modernization:** Upgrade legacy Rails applications across major versions (client apps as far back as Rails 2, up to the latest 8.1), removing deprecated APIs and cutting technical debt while the app stays in production and the client keeps shipping features.
- **Upgrade strategy:** Plan and run dual-boot upgrade paths for large, long-lived codebases (100K+ LOC, 180+ gems), sequencing gem, framework, and asset-pipeline work so teams are never blocked on a single big-bang release.
- **Product & API engineering:** Beyond upgrades, embedded in client teams as a regular contributor: built and deprecated APIs on a healthcare patient portal, and spent six months on feature delivery, a rebrand, and production incident response for a US consumer platform.
- **Modularization:** Broke up a large healthcare monolith into modules, sequencing the work across many tickets and integration branches while the application stayed in production.
- **Performance & CI:** Cut a client's deploy time from 10 to 6 minutes and test-suite runtime from 60 to 30 minutes, reducing CI spend and developer wait time.
- **Background jobs & production memory:** Fixed sustained memory pressure on a public Rails app sitting at 114% of its dyno memory quota (209% peak). Moved a 366-round-trip synchronous request path onto Sidekiq, collapsed per-record inserts and job enqueues into `insert_all / perform_bulk`, cut a 505 MB text column out of worker batch queries, and flattened a 35 MB/hour RSS climb by running Puma and Sidekiq under jemalloc.
- **AI upgrade tooling:** Built a six-skill Claude Code plugin for a healthcare client that encodes the Rails upgrade methodology into 14 workflows (dual-boot, deprecation triage, `load_defaults`, cleanup), then used it to drive a real Rails 3.2 to 4.0 hop on their production monolith.

#### Software Engineer — LogicalBricks Solutions, Remote

Aug 2019 to Apr 2022

Embedded full-time with **ThunderTix**, a US event-ticketing platform, after an integration project won the account.

- **Venue seat-map editor:** Built an SVG seating-chart editor in vanilla JavaScript, replacing flat seat lists with real venue layouts: arbitrary floor shapes, seat types including couches, stage placement, and labeled entrances and restrooms. Kept dependency-free on purpose so the client's team could own it.
- **Rails API & integrations:** Exposed the platform's sales data through Rails API endpoints and wrote the WordPress (PHP) plugin consuming them, so venues could sell from their own sites. That integration is what led the client to bring me on full-time.
- Feature delivery, Delayed Job background processing, and technical-debt and memory work on the production Rails app; built an internal React Native expense tracker for the team.

#### Software Developer — Mass Comunicación, Oaxaca, México

Feb 2016 to Jun 2017

- **Electoral media-monitoring platform:** Built the Rails system behind the company's official monitoring contract with Oaxaca's state electoral institute (IEEPCO) across two consecutive state election cycles, the second as a returning contractor. Analysts statewide uploaded recorded radio, TV, and print coverage to AWS S3 and coded each mention by tone, journalistic genre, and candidate gender; the platform aggregated it into the institute's published weekly reports. One three-day window covered **133+ hours of broadcast**. Load-balanced across two servers for campaign-peak traffic; in the second cycle, report generation moved out of manual assembly and into the platform itself.

#### Independent Consultant — **sucodigo**, Self-employed

2017 to Present

- **Multi-tenant clinical assistance platform:** Designed, shipped, and still run a production Rails app serving 4–5 hospitals on isolated per-hospital subdomains with sensitive patient data; modernized it from Rails 5.2.1 to Rails 8.1 without downtime for tenants.
- **Retail point-of-sale, 10+ branch chain:** Delivered the full system for a regional photo-printing retailer: authentication, point of sale, inventory, thermal receipt printing, and per-branch white-labeling (own colors and logo per location).
- **Restaurant ordering platform:** Built and still run a multi-tenant ordering and operations app for cafes and restaurants, live in production with a paying venue.
- **Infrastructure modernization:** Cut hosting and storage costs by migrating production apps from Heroku to Railway and moving file storage to Cloudflare R2 / AWS S3 via Active Storage; shipped PWA offline support for low-connectivity users.

#### OPEN-SOURCE CONTRIBUTIONS

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- **Ruby on Rails** (rails/rails) — Merged framework contributions shipped to every new Rails app, including the **PWA offline fallback page** in the app scaffold, the `bin/rake stats` migration to Thor, plus guides and deprecation fixes.
- **FastRuby.io upgrade toolchain** — Contributor to `next_rails` (577★) and `RailsBump` (214★), the tools Rails teams use to find incompatible gems and plan an upgrade. On `RailsBump` I own the production app itself: Sidekiq job design, Redis usage, Sentry observability, and the memory work above.
- **claude-code\_rails-upgrade-skill** (ombulabs, 368★) — Leading contributor (128 of 212 commits) to an AI (Claude Code) skill that automates Rails version upgrades.
- **fastruby/audit** (audit.fastruby.io) — Core contributor; upgraded it Ruby 2.7 → 3.2 and Rails 6.1 → 7.1, migrated the suite from RSpec to Minitest, and moved CI from CircleCI to GitHub Actions.
- **MDN Web Docs** (mdn/translated-content) — Maintainer for the Spanish (es) locale; review and merge community documentation contributions.
- **Own projects:** `noko-for-raycast` (Raycast extension in **React 19 + TypeScript**, Jest / Testing-Library tests, Noko time-tracking API), `simple_form-theme` (gem for modern CSS themes with SimpleForm).

#### COMMUNITY & EDUCATION

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- Member and contributor, **Oaxaca.rb** Ruby community. Technical writing on Ruby, Rails, and modernization at **juanvasquez.dev** and on the **FastRuby.io** engineering blog. Interview and pair-program with engineering candidates as part of hiring.
- **Computer Systems Engineering** (all coursework completed; degree not conferred) — Instituto de Estudios Superiores de Oaxaca, 2011 to 2014. **Languages:** Spanish (Native), English (Professional).