

Sergio Márquez

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Senior Product Engineer | Ruby on Rails | SaaS, APIs & Full-Stack Web Platforms

SUMMARY

Senior product engineer building software professionally since 2011, primarily with Ruby on Rails, for SaaS, education technology, and mobile products. Works across product discovery, user research, systems design, and full-stack implementation. Built a microschool platform from scratch in a four-developer team; previously owned architecture and technical planning within a six-engineer team and modernized 500,000+ lines of legacy code.

WORK EXPERIENCE

Senior Product Engineer (Ruby on Rails), Contract

May 2024 — Present

KaiPod Learning (Y Combinator S21)

Boston, MA / Remote

- Building Newton, a Rails platform with Hotwire Native mobile apps for KaiPod's Partner Network of 150+ schools across 30+ states, in a fast-moving four-developer team.
- Partner with microschool founders and teachers to research day-to-day operational needs and translate them into full-stack product features.
- Implement native controls and widgets for Hotwire Native on iOS and Android, including bottom navigation, dialogs, and custom sidebar-menu and page-transition optimizations.
- Lead product discovery from research through implementation: interview stakeholders, create AI-assisted mockups with Claude and Pencil, draft Linear project documents, and break approved initiatives into estimated implementation tasks.
- Implemented Stripe APIs and webhooks for recurring monthly billing and customizable per-student plans.

Lead Software Engineer

Aug 2021 — May 2024

Decisiv, Inc.

Glen Allen, VA / Remote

- Owned architecture and technical planning for the Pricing application within a six-engineer team; mentored junior engineers and approved most pull requests.
- Reduced page-load times by 20-80% for complex workflows through N+1 elimination, bounded queries, lighter JavaScript, and asynchronously loaded React widgets.
- Cut CircleCI workflow time from 40 to 8 minutes by modernizing the test suite, updating Capybara, removing redundant specs, and parallelizing execution.
- Championed incremental upgrades of 500,000+ lines from Rails 4.0/Ruby 1.8 to Rails 7.0/Ruby 3.1 using next_rails, target-version tests, and smoke testing.

Ruby on Rails Engineer

Jul 2017 — Aug 2021

Decisiv, Inc.

Glen Allen, VA / Remote

- Redesigned and redeveloped product applications to improve API and application performance; integrated third-party systems to expand product functionality.

Ruby on Rails Engineer, Full-time

May 2016 — May 2017

Paper Kite Ltd (PaperKite)

Wellington, New Zealand / On-site

- Developed resilient Ruby on Rails APIs for BPme, a mobile in-car fuel payment app handling high traffic and external payment service integration.
- Supported BPme's staged Jul 2016 rollout with sub-second system response for site-status checks and pump authorization across 100+ designed screens.

EDUCATION

Universidad Tecnológica Nacional

Bachelor of Science in Computer Science

Mar del Plata, Argentina

Jul 2009 — Dec 2014

SKILLS

- **Languages & Frameworks:** Ruby, Ruby on Rails, JavaScript, React, Hotwire, Hotwire Native, Tailwind CSS
- **Backend & Cloud:** PostgreSQL, Redis, Sidekiq, AWS, Stripe, API development
- **Testing & Delivery:** Test-driven development, CI/CD, Capybara, CircleCI, Datadog, performance optimization
- **Product & Process:** Product discovery, user research, systems analysis, Anthropic Claude, GitHub Copilot, Linear

LANGUAGES

Spanish: Native | English: Full professional proficiency