Andrea Fomera

Senior Software Engineer · Denver, Colorado

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PROFILE

Senior Software Engineer with 10+ years building and scaling Ruby on Rails applications. Conference speaker (Rails World 2024, RailsConf 2022), course author teaching 2,000+ developers, and proven track record leading technical migrations and mentoring engineers.

EXPERIENCE

Senior Software Engineer, Retail Zipline; *Remote* — *March 2026 - Present*

- Build customer-facing AI features, including Task Generation and Refine with AI, which help field leaders write clear, actionable tasks for their store associates.
- Partner with teams across the company to drive adoption of AI tools and grow AI enablement throughout the organization.
- Pay down the technical debt backlog to keep the codebase healthy and make future work faster and safer to ship.
- Built a Test Deflaker agent that finds and fixes flaky tests, keeping CI reliable without pulling engineers off feature work.

Senior Software Engineer, Soundstripe; *Remote* — *September 2024 - January 2026*

- Modernized the technology stack by upgrading Ruby and Rails, and implementing modern JavaScript bundlers and CSS pipelines to improve performance and developer productivity.
- Translated high-level product goals into well-scoped, actionable tasks that enabled predictable delivery of new features.
- Mentored engineers on Rails best practices, coding standards, and maintainable architecture to raise overall code quality.
- Led technical discovery and execution of an incremental migration from React toward a full-stack Rails architecture, improving maintainability and alignment with team expertise.

Senior Product Developer, Podia; *Remote* — *April 2019 - August 2024*

- Develop features for our in-house custom text editor using React, led efforts to integrate it and roll out seamlessly across the product to more than 100,000 users with no downtime or lost data.
- Champion and led development on a number of our product offerings, rewriting the customer product viewing experience, implementing teammate support, and membership subscription trials.
- Built and led development on a robust, flexible API that handles billing permissions for feature access with flexibility.
- Develop and maintain the custom domain proxy infrastructure for customer storefronts, allowing customers to bring their own domains for a securely encrypted site, and scaled our existing service from 200 to 5,200 domains.
- Manage dependency upgrades for JavaScript and Ruby libraries for the platform.
- Mentor product developers by using remote pair programming.

Software Engineer, ProctorU; *Birmingham, Alabama* *September 2016 - April 2019*

- Led development on a new application for scheduling groups of test-takers.
- Used Terraform/Ansible to start moving infrastructure from AWS to Google Cloud Platform.
- Organized and maintained responsibility for upgrading our platform from Rails 4.2 to Rails 5, and then to Rails 5.1.
- Develop features for stakeholders, both internally and externally.
- Led and participated in technical interviews for the company; vetted team members.

SKILLS

Ruby, Ruby on Rails, JavaScript, React, PostgreSQL, Sidekiq, AWS, HTML, CSS, SCSS

INDUSTRY EXPERIENCE

Course Author; *Remote* *December 2019 - Present*

Create and launch two video courses teaching Ruby on Rails fundamentals.

- Learn Rails by Building Instagram - Launched in 2019, it's helped over 70 people get fundamentals on Rails 6, through building a photo-sharing app.
- Learn Hotwire by Building a Forum - Launched in early 2021, has helped more than 2,000 developers learn about using Turbo with Ruby on Rails, by building a real-time forum.

Spoke at Rails World 2024 *September 2024*

I was invited to and spoke at Rails World 2024, about Pushing the Boundaries with ActiveStorage in September. The talk covers custom services with ActiveStorage and building a feature rich Media Library using ActiveStorage.

Given in person in Toronto, Canada and a recording can be found on YouTube.

Spoke on "Upgrading Rails: Everyone can do it and here's how" at RailsConf 2022 *May 2022*

Delivered a talk about three common approaches to upgrading Rails, and then a deeper in-depth guide on using dual-booting to upgrade dependencies like Ruby and Rails.

Given in person in Portland Oregon, a recording can be found on YouTube.