

Andy Wang

Senior Ruby on Rails Engineer

APIs & relational data · Product delivery · Applied AI

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PROFILE

Senior Ruby on Rails engineer building web applications since 2005, primarily with Rails since 2008, and working remotely with US and European teams since 2011. Turns complex business rules into maintainable products across SaaS, marketplaces, payments, scheduling, and data portals.

Combines API design and database modeling with background processing, testing, and production delivery. Current work includes RubyLLM contributions, Rails-based AI workflows, and the operational foundations around models — structured outputs, evaluation, and observability.

CORE SKILLS

Rails & backend

Ruby, Rails 5–8, Active Record, Sidekiq, RSpec, REST, GraphQL, webhooks.

Deployment & collaboration

GitHub Actions, Docker, AWS, Heroku, Sentry, testing, remote delivery, technical writing.

Frontend

JavaScript, React, TypeScript, Redux, Hotwire, Turbo, Stimulus, D3.js.

Data & reliability

PostgreSQL, MySQL, Redis, ETL, domain modeling, retries, observability, cost control.

Product delivery

Payments, subscriptions, scheduling, marketplaces, CMS, admin tools, reporting, integrations.

Applied AI

LLM integration, agentic workflows, structured outputs, tool calls, evaluation, human review.

EXPERIENCE

Independent Product Engineer — Rails & Applied AI · Self-employed

Apr 2020 — Present

INTERNATIONAL CLIENTS · REMOTE

- **RubyLLM:** merged contributions covering batch result validation, attachment restoration, streaming citations, and Rails integration.
- **Payments and customer workflows:** built and maintained a Stripe-powered swimming products and lessons platform with instructor availability, scheduling rules, administration, and reporting; developed a configurable CMS, scheduling, and payments platform.
- **Operations and marketplaces:** built a facility workflow system for rooms, meetings, and resources; developed a marketplace for specialized vendors, products, transactions, and administration.
- **ActiveAgent:** contributor to the open-source Rails framework for building AI agent applications.
- **RubyLLM Workbench:** build a local-first Rails reference application for inspecting LLM workflows — structured outputs, tool approvals, durable agent execution, retrieval, and evaluation.
- **Content integrations:** created a publishing workflow across Google Docs, Medium, HubSpot, and WordPress for content preparation, formatting, synchronization, and distribution.

Senior Rails & AI Product Engineer · Adwave

Jan 2025 — Jul 2026

HISTORICAL ENGAGEMENT · CONTRACT · REMOTE

- Contributed to a Rails product for video ad generation and campaign management, including workflows combining AI tasks, background jobs, external services, and deterministic media generation.
- Worked on agentic editing and operational tooling, with attention to structured state, observability, testing, and browser-based QA.

Ruby on Rails Engineer · Spire Health

Mar 2019 — Apr 2020

FULL-TIME · REMOTE

- Built a client portal for reviewing health data from connected hardware devices and managing device configuration.
- Worked across Rails backend and frontend on charts, data-handling workflows, and interfaces that made device data and controls understandable.

Independent Ruby on Rails Engineer · Freelance

Mar 2015 — Feb 2019

CONTRACT · REMOTE

- Developed and maintained Rails and React applications across content, commerce, data, and SaaS; built a video/TV CMS and customized a Spree-based commerce system.
- Built a Rails 5 application designed to handle datasets over 100 GB and a React/Redux/Material UI resource-management application for a large company.
- Developed a Rails application for a video, audio, and FreeSWITCH business SaaS platform; helped set up an internal data, statistics, and reporting dashboard.

Senior Ruby on Rails Engineer · Intridea, Inc.

Mar 2011 — May 2015

CONTRACT · REMOTE

- Contributed to more than ten client projects across Rails, Backbone, Angular, CoffeeScript, D3.js, API design, database modeling, and server administration.
- Built internal tools for team efficiency; wrote technical articles and presented engineering practices.

Ruby on Rails Developer / Project Manager · Idapted Inc.

Feb 2008 — Mar 2011

BEIJING · INTERNATIONAL TEAM

- Developed platform features for an international English-learning and training service, plus iPhone applications and internal productivity tools.
- After Idapted merged into Eleutian in Oct 2010, was promoted to **Senior Product Manager**; built a one-to-one training platform with Rails.
- Served as a technology bridge for Korean and other international customers, coordinating technical planning, implementation, and project delivery.

Software Engineer · Beijing Sorun

Jul 2005 — Feb 2008

PERMANENT · BEIJING

- Developed systems in VBScript, C#, and Java for Japanese customers across multiple application projects.

OPEN SOURCE

RubyLLM · ActiveAgent · react_on_rails · acts_as_favable

EDUCATION

Bachelor, Computer Science

Beijing Technology and Business University
2001–2005

Languages

English — professional working communication
Mandarin Chinese — native