



Kartikey Tanna

Full Stack Ruby on Rails Engineer

Innovative Full Stack Ruby on Rails Engineer with a proven track record of building and scaling complex systems for startups across diverse industries. Passionate about delivering exceptional results, I thrive in collaborative environments, working closely with technical founders to drive growth and innovation.

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SKILLS

Ruby Ruby on Rails Turbo RSpec JavaScript Stimulus Docker SQL

WORK EXPERIENCE

Lead Rails Engineer Reword (Short Ventures)

04/2023 - 08/2024

An AI startup helping writers produce content focused on users rather than SEO.

Achievements/Tasks

- ◊ Led infrastructure decisions, feature development, and performance improvements while working directly with the technical founder.
- ◊ Utilized a Ruby on Rails monolith structure to build a complex system rapidly, contributing to the startup's profitability within 18 months.
- ◊ Solved customer issues by actively listening to their feedback, understanding their needs, and addressing bugs.
- ◊ Leveraged SEO and writing experience to further support the startup's goals, enhancing product effectiveness and market reach.
- ◊ Incorporated cutting-edge AI innovations to enhance product capabilities, staying at the forefront of AI advancements.
- ◊ Played a key role in transforming this bootstrapped startup into a profitable venture in a short time frame.

Lead Rails Engineer TagMyUsers (Short Ventures)

05/2024 - 08/2024

TagMyUsers improves your tracking with managed server-side container hosting for Google Tag Manager and Facebook CAPI.

Achievements/Tasks

- ◊ Worked directly with the technical founder to understand requirements, make architectural decisions, and develop new features.
- ◊ Designed and managed cloud infrastructure, ensuring robust support for automated deployments and request-based pricing.
- ◊ Employed a Ruby on Rails monolith structure, enabling rapid feature development and deployment.
- ◊ Managed the complexities of server deploys, containers, and networking to deliver innovative tracking solutions.
- ◊ Played a key role in building and refining server-side tracking for Google Tag Manager and Facebook CAPI, addressing the challenges of modern tracking needs.

Lead Rails Engineer B's Homemade

06/2023 - 11/2023

An upcoming ice cream manufacturing and retail outlet chain in the US.

Achievements/Tasks

- ◊ Designed and developed an inventory web app using the latest Rails stack.
- ◊ Collaborated closely with the technical founder to understand and implement complex inventory requirements.
- ◊ Architected the system to support future mobile app development using Strada and Turbo.

Lead Rails Engineer

Norbasisite

08/2020 - 01/2023

High-end computer keyboard brand founded by ex-NASA scientist and early Rails adopter Ryan Norbauer.

Achievements/Tasks

- ◇ Led the development, architecture, and code quality best practices for a state-of-the-art, customized e-commerce solution.
- ◇ Collaborated with Ryan Norbauer, who was offered a job by DHH and Jason at Basecamp in its very early days, maintaining and exceeding his exceptionally high coding standards.
- ◇ Created the e-commerce solution from scratch using the latest Rails stack features, including Turbo and StimulusJS.
- ◇ Designed the platform to support the luxurious keyboard brand while also being adaptable for resale to other interested parties.

Lead Backend Rails Developer

GoLittle

07/2019 - Present

Achievements/Tasks

- ◇ Optimized the performance of slow back-end APIs, achieving a 3X improvement in speed, significantly enhancing the mobile app experience.
- ◇ Promoted to lead back-end developer after successful optimization, working closely with the CEO and lead mobile developers to develop, plan, and implement new features.
- ◇ Collaborated with partner startups, meeting with their technical staff to ensure successful integration of joint offerings.
- ◇ Utilized Ruby on Rails (API) to deliver high-quality, scalable solutions that support GoLittle's growth and user engagement.

Lead Engineer

Bloom Health

06/2019 - 01/2020

A chatbot application for senior citizens in elder homes.

Achievements/Tasks

- ◇ Led the development of the chatbot application with a team of two engineers.
- ◇ Designed and implemented a monolith architecture that supported approximately 3,000 users with minimal infrastructure.
- ◇ Collaborated with the founder to ensure the product was simple and intuitive for senior citizens.
- ◇ Delivered a robust and user-friendly solution tailored to the needs of elderly users in care homes.

CTO

Sidecar Learning

07/2020 - 05/2024

An interactive learning platform used by universities and educational institutions worldwide.

Achievements/Tasks

- ◇ Reduced cloud infrastructure costs by 50%, optimizing resource usage and improving efficiency.
- ◇ Led the integration of AI features, significantly enhancing the platform's capabilities and making it a key asset for future funding.
- ◇ Worked on optimizing poorly written React code to improve application performance.
- ◇ Collaborated closely with the CEO and technical teams from various universities to define and implement new features.
- ◇ Helped transition the platform from cloud hosting to a VPS using Kamal, lowering operational costs to around \$30 per month, supporting a free, no-support version of the platform.

Lead Backend Developer

Sidecar Learning

07/2018 - 06/2020

An interactive learning platform used by universities and educational institutions worldwide.

Achievements/Tasks

- ◇ Joined as lead back-end developer and played a key role in shaping the platform's architecture.
- ◇ Managed a small team of developers, guiding them through the development of new features and improvements.
- ◇ Contributed to the adoption of the platform by major universities, including the University of Arizona and the University of Toronto.
- ◇ Identified, planned, and optimized the most challenging parts of the app, gradually improving overall performance.

◆ WORK EXPERIENCE

Lead Rails Engineer UltraAuth (Gennovacap Technologies)

09/2018 - 04/2020

A company on a mission to replace email/password with biometric authentication.

Achievements/Tasks

- ◇ Built client-facing dashboards, admin panels, Omniauth strategy, and Passport strategy using NodeJS, Ruby, Ruby on Rails, and JavaScript.
- ◇ Collaborated with a top-tier security consultant to implement biometric authentication based on FIDO standards.
- ◇ Developed a Ruby gem included in GitLab CE, achieving over 500k downloads.
- ◇ Played a key role in the development of UltraAuth's biometric passwordless authentication, contributing to the company's eventual acquisition.

Lead Backend Engineer Realosity

12/2017 - 11/2019

An analytics tool for real estate agents providing insights into the profitability of their marketing activities.

Achievements/Tasks

- ◇ Worked for a Principal Engineering Manager/Director of Data Engineering & Analytics at Yammer (Microsoft).
- ◇ Architected and developed the backend Rails API for the analytics platform.
- ◇ Performed complex database queries and optimizations to ensure efficient data processing.
- ◇ Implemented OAuth2 provider functionality and created an architecture that supports third-party apps on top of Realosity, enabling an app store-like ecosystem.

Lead Rails Engineer Currents

02/2017 - 06/2018

A web app designed to help sports fishing enthusiasts navigate waters efficiently with real-time data.

Achievements/Tasks

- ◇ Developed the entire portal from scratch, enabling users to submit fishing data, fetch weather and seasonal data, and generate custom heatmaps on a map for optimized navigation.
- ◇ Implemented complex calculations to render data in real-time, helping users save time, fuel, and trips.
- ◇ Deployed and maintained an open-source Discourse software on a VPS to provide community and discussion functionality for users.
- ◇ Collaborated closely with the technical founder to understand the specific needs of sports fishing and deliver a tailored solution.

◆ PERSONAL PROJECTS

eKard (01/2023 - Present)

- ◇ As the founder of eKard, I built a platform that helps small businesses and professionals seamlessly exchange contact information, enhance networking, and maintain connections through a digital business card. eKard is designed to boost customer engagement, consolidate information, and simplify communication.

Search Console AI (04/2024 - Present)

- ◇ Search Console AI syncs large amounts of Google Search Console data, performs analytics, and uses AI to generate periodic reports for site owners. It automates the process of understanding SEO efforts, offering actionable insights, suggestions, and optimizations without requiring user intervention after the initial setup.

◆ EDUCATION

B.E. IT R K College of Engineering & Technology

2013

MBA Entrepreneurship Sri Sri University

2015