

# SANTOSH SHARMA

## Senior Software Engineer | Ruby on Rails • React

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## SUMMARY

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Full-stack engineer with 10+ years building production web applications on Ruby on Rails, with React on the frontend. Hands-on across the stack, from major Rails upgrades (3.2 through 7.2) and third-party API integrations to performance tuning, security fixes, and day-to-day production support on high-traffic systems.

## EXPERIENCE

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### Senior Ruby on Rails Developer

Sep 2025 – Present

*Infosys Limited, Gandhinagar, Gujarat*

- Working on Teladoc Health, a US healthcare platform, migrating the automated test suite from Cucumber to RSpec, replacing broad feature tests with focused unit and request specs that run faster and fail more clearly.
- Refactoring duplicated Cucumber step definitions and setup into reusable RSpec helpers and factories, keeping the suite maintainable as it grows.
- Working inside a large existing Rails codebase and coordinating with QA to keep test coverage intact through the migration.
- Use GitHub Copilot and Claude Code daily for drafting RSpec specs from existing Cucumber scenarios, refactoring step definitions, and exploring the large codebase, with manual review of all generated code.

### Senior Ruby on Rails Developer

Feb 2021 – Sep 2025

*Tata Consultancy Services (TCS), Gandhinagar, Gujarat*

- Led the Rails upgrade path from 3.2 to 6.1 and then to 7.2 across the application, keeping releases stable with no production downtime.
- Built video delivery with HLS and FFmpeg processing behind a Video.js player, which noticeably reduced buffering for users on low-bandwidth connections.
- Worked with the security team during penetration testing to fix critical issues (buffer overflow, authentication failure), then tightened secure coding practices across the team to prevent repeats.
- Integrated React into the legacy Rails app to build dynamic UI components, and moved Bootstrap from 4.6 to 5.3 to simplify front-end maintenance.
- Mentored a team of four developers through code reviews, architecture discussions, and knowledge-transfer sessions.
- Tracked down and fixed complex production issues using performance profiling and root-cause analysis.

*Stack:* Ruby on Rails 3.2/6.1/7.2, React, PostgreSQL, Redis, Memcached, Socket.io, Solr, Bootstrap 4/5, Git

### Ruby on Rails Developer

Dec 2018 – Feb 2021

*ThinkBiz Technology Pvt. Ltd., Ahmedabad, Gujarat*

- Built third-party marketplace integrations (Rakuten, Shoptlist, PayPay Store) for RightOn, a Japanese apparel e-commerce platform, so products could sell across multiple channels.
- Set up SFTP-based CSV pipelines to automate product data exchange with external retail partners.
- Wrote an image-processing engine that generated multiple resolutions and thumbnails for the product catalog.
- Kept the platform stable through proactive bug fixes, production support, and monitoring and alerting.
- Optimized slow database queries and API endpoints to improve response times and reduce server load.

*Stack:* Ruby on Rails, AngularJS, MS SQL Server, REST APIs, Git

### Ruby on Rails & React Developer

Oct 2015 – Dec 2018

*BoTree Technologies, Ahmedabad, Gujarat*

- Built full-stack features end to end, from database schema to production UI, across several SaaS products using Rails with React and React Native.
- Designed a questionnaire-driven compensation algorithm for Weclaim, a travel-claims platform, automating payout calculations that had previously been worked out by hand.

- Bootstrapped a React Native app with a native Wi-Fi module for IoT device integration and real-time data sync.
- Wrote scraper workers that pulled posts from 5+ social platforms (Facebook, Instagram, Twitter, Pinterest) into MongoDB.
- Built a PDF parser that extracted structured data from health-insurance documents, replacing most of the manual data entry the process used to need.

Stack: Ruby on Rails 4.2/5, React, React Native, MongoDB, PostgreSQL, NativeBase, JavaScript (ES6+)

### Ruby on Rails Trainee

Jul 2015 – Oct 2015

BoTree Technologies, Ahmedabad, Gujarat

- Started as a trainee, learning Rails conventions, MVC, and TDD while contributing fixes and small features to a production Rails application.

## KEY PROJECTS

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**Teladoc Health (Infosys), healthcare platform:** Migrating a large Rails test suite from Cucumber to RSpec to improve test speed and maintainability.

**Knome (TCS), internal social platform:** Rails + React app with real-time chat, community management, media handling, and Solr search. Led the 3.2 → 7.2 Rails upgrade, added HLS streaming, and fixed security vulnerabilities.

**RightOn (ThinkBiz), e-commerce platform:** Rails backend for a Japanese apparel retailer. Built marketplace APIs (Rakuten, Shoplist, PayPay), SFTP data pipelines, and a multi-resolution image engine.

**Weclaim (BoTree), travel claims platform:** Full-stack Rails + React app for airline, train, and ferry claims, including a questionnaire-driven compensation engine and a responsive React UI.

## TECHNICAL SKILLS

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**Backend:** Ruby on Rails (3.2–7.2), Ruby (1.9–3.3), REST API design, JavaScript, Python (basic)

**Frontend & Mobile:** React, React Native, JavaScript (ES6+), jQuery, HTML5, CSS3, Bootstrap 4/5

**Databases & Caching:** PostgreSQL, MySQL, MS SQL Server, MongoDB, Redis, Memcached, Solr

**Testing:** RSpec, Cucumber, TDD

**AI-Assisted Development:** GitHub Copilot, Claude Code

**Tools:** Git, FFmpeg / HLS, Socket.io, SFTP pipelines

## EDUCATION

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**B.E. in Information Technology**, Gujarat Technological University · 2014 · CGPA 6.85 / 10

**H.S.C. (Science)**, Adarsh High School (GSEB), Kadi · 2010

## LANGUAGES

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English · Hindi · Gujarati