

I am a full-stack software engineer with 3 years of experience building and deploying production mobile and web applications in the civic tech and urban mobility sectors. I have taken products from initial research and prototyping through to production deployment with experience across frontend, backend, databases, and infrastructure.

Technologies and Languages

- **Languages:** Ruby, JavaScript, TypeScript, SQL
- **Frameworks & Libraries:** Ruby on Rails, React Native, Hotwire, Stimulus, Tailwind CSS, Minitest
- **Databases & Infrastructure:** PostgreSQL, SQLite, Redis
- **DevOps & Tools:** Git, AWS, Digital Ocean, Kamal, Capistrano, Docker
- **Other:** RESTful API design, OAuth/JWT authentication, responsive UI/UX design

Work Experience

Product Engineer

Aug 2024 - Present

Altmo, Founding Employee

- Developed a react native mobile commute tracker from scratch with custom JWT-based authentication, designed the application's user interface, and delivered tracking and analysis features for users' commuting patterns.
- Planned and built Altmo's B2B offering and platform from scratch, secured 2 enterprise clients, and drove positive customer adoption.
- Modernized the full-stack Rails application from Rails 5 to 7 and migrated frontend from jQuery to Hotwire/Stimulus, sticking to modern Rails conventions.
- Refactored backend architecture by implementing service-based patterns, improving developer productivity and performance for a platform used by 10,000+ users.
- Integrated a backend architecture that supported the company's own native tracker application, and improved the product's data accuracy by redesigning activity kind classification logic.
- Established production deployment pipeline using Capistrano and implemented Active Storage for file management.
- Redesigned the web platform's UI/UX and reduced post-signup churn from 80% to 30% through improved onboarding flow and modern interface design.

Technical Research Analyst II

2023 - 2024

LVBL Accelerator, Founding Team

- Built an internal geographical analysis platform using Rails, Leaflet, and OpenStreetMap to identify optimal retail store and POI locations, analyzing neighborhoods across South Bangalore and informing the opening of 4 LVBL retail stores.
- Developed a neighborhood classifier tool that enabled the sales team to map LVBL's operational footprint across multiple partner categories, visualizing coverage gaps to drive expansion strategy.
- Created a custom event calendar using Hotwire and Turbo to track LVBL events and sustainability awareness days, integrated into the company landing page.
- Designed and implemented analytics dashboards that streamlined operational planning and location prioritization for the team.

Technical Research Analyst

Mapunity Information Services

2021 - 2023

- Transitioned from research and policy analysis to full-stack development within 12 months, building internal prototypes, including KerePass (a lake visit tracking and tool) that was used to pitch government partnerships.
- Conducted primary data collection and stakeholder research, translating findings into technical requirements and proof-of-concept applications for urban mobility and sustainability initiatives.
- Designed UI mockups in Figma and collaborated with developers to rapidly deploy tech interventions based on research insights.

Research Analyst

Urban Morph Consultants

2020 - 2021

- Managed urban mobility initiatives, including citywide bicycle events and slow streets programs, coordinating execution across government and community stakeholders.
- Supported early product development of Altmo, contributing to feature implementation and user experience improvements.

Projects

- **RentCupid** - www.rentcupid.com. A free chat-based web application for finding compatible flatmates, serving 160+ users during active development. Originally built with Rails 7, I have since upgraded it to Rails 8 and used the Solid trifecta (Cable for real-time chat, Queue for background jobs, Cache for performance) with PostgreSQL as the database. I use this app as a sandbox for experimenting with modern Rails patterns and conventions, including a Hotwire-first frontend, service objects, Basecamp-esque model-based modules, and Kamal deployments. I also designed the UI/UX myself, and I iterate on the product based on user feedback.

Education

- **B.A. Economics (Honours)**, Christ University, Bangalore. 2017–2020

Interests

- Competitive cycling (national-level road cyclist for Goa), sustainable urban mobility, and Ruby on Rails (I fell in love with coding thanks to Rails and its conventions!).