

WILLIAM DANA

SENIOR SOFTWARE ENGINEER

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PROFILE

Senior full-stack engineer with experience growing startups from seed stage through Series B. I've built and scaled core systems in Rails and React, led enterprise integrations at every stage of my career, and kept systems reliable with minimal downtime. Beyond the code, I care about clean design, mentoring teammates, and fostering engineering cultures that ship quickly and sustainably. With prior experience as a financial restructuring legal assistant, I'm known among my engineering peers for keeping a cool head under pressure and staying solutions-oriented, no matter the situation.

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Cartwheel Care, Boston, MA (Remote)

Mar 2023 — Sep 2025

- Joined as engineer #2 and established the technical foundation and database architecture for Cartwheel's Rails monolith, enabling growth through Series A and B; upheld strong reliability with just 3 SEV-1/SEV-2 incidents in 2+ years, each mitigated within 45 minutes
- Delivered a robust EHR integration by architecting a modular GraphQL API layer in Rails using the *graphql-client* gem, ensuring reliability, scalability, and graceful handling of partial failures and incomplete responses common to GraphQL APIs
- Transformed a 14-step manual client/clinician matching workflow into a performant ActiveRecord query, enabling real-time matching of tens of thousands of clients with hundreds of clinicians at scale
- Centralized event data by leading Cartwheel's transition to an external CDP event system, powering both the data warehouse and Iterable communications, and giving data teams and non-technical staff a shared source of truth for reporting and client outreach
- Promoted a data-driven, best-practice-oriented engineering culture by pairing with peers, providing guidance on complex problems, historical context, and opportunities for improved approaches

Senior Software Developer, Spring Health, New York, NY (Remote)

Apr 2022 — Mar 2023

- Implemented an enterprise SAML SSO integration within my first weeks at Spring Health, enabling client users to securely access a scoped subset of features without additional sign-ins; the project required full ownership of the stack (Rails API, Laravel authentication server, React front end, and Dockerized deployments) from day one
- Spearheaded a complete refactor of Spring Health's clinician search/matching tool, adding support for critical new matching criteria, eliminating n+1 queries to improve performance despite added filters, resolving dozens of reported bugs, and tripling unit test coverage in a single release
- Provided mentorship to junior engineers and led weekly pairing/mob programming sessions to promote knowledge sharing and team cohesion
- Improved code review practices by standardizing detailed written test steps and supplementing with recorded video demos when appropriate.

Software Developer, Magellan AI, New York, NY (Remote)

Aug 2019 — Apr 2022

- Designed and implemented a data pipeline for tallying podcast downloads accurately per IAB podcast standards
- Advocated for, designed, and implemented a redundant Kubernetes-backed, auto-scaling deployment of Magellan's podcast download counter on DigitalOcean, which seamlessly handled all listener traffic during AWS outages and ensured uninterrupted episode downloads for listeners globally
- Developed an audio processing pipeline that detected and tracking dynamically-inserted (rather than "baked-in") ads in podcasts, allowing clients to ensure that the ads they purchase are being aired correctly, and notifying them if an ad is missing or is inserted late
- Maintained Magellan's data pipeline handling the downloading, storage, transcription and automatic ad detection of thousands of podcast episodes each day
- Develop and support the data visualization platform for the largest database of podcast advertising data, covering activity on nearly 19,000 brands and 40,000 shows in the US, Canada, Australia, the UK, and Germany

Web Developer, SecureCoders, Brooklyn, NY (Remote)

Jul 2018 — Aug 2019

CPM Educational Program -- Math Textbook Web App (React, Redux, Node.js)

- Mapped existing educational web content to academic and accessibility standards, allowing for modular textbook creation to meet any U.S. state educational standards with existing California textbook content
- Built both API endpoints and UI components to CRUD educational content and standards mappings

FiGPiN - Collectible Novelty Pins Mobile App (React Native)

- Built out reusable UI components for app
- Refactored UI layout to use reusable components and resolve technical debt

Freelance Web Developer, Self-Employed, Brooklyn, NY (Remote)

Jan 2018 — Aug 2019

User Interviews - User Research Web App (Ruby on Rails, React)

- Built out staff features for Boston-based startup (Rails, React)

AdvisorConnect - CRM & Social Media Integration Web App (React, Node.js, Flask)

- Built internal-use administrator panel for Brooklyn-based SaaS B2B startup (React, Redux, Node.js)

EDUCATION

Jun 2017 — Sep 2017

Flatiron School, New York, NY

Full Stack Web Development, Ruby, Rails, JavaScript, React and Redux in-person immersive program

B.A. in Philosophy

Jan 2010 — May 2013

Hamilton College, Clinton, NY

TECHNICAL SKILLS

Ruby on Rails	PostgreSQL	Node.js	TypeScript
React	Shell scripting	Git	TDD
Refactoring	Docker	Kubernetes	Python

ADDITIONAL INFORMATION

- **Links:** <https://github.com/wbdana> <https://www.linkedin.com/in/wbdana>
<https://pypi.org/project/opengraphio> <https://rubygems.org/gems/opengraph-io>