

# Hogan McDonald

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Senior Software Engineer with 6 years of experience architecting, developing, testing, and maintaining web applications in agency and startup settings

## TECHNICAL SKILLS

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**Languages:** Ruby, JavaScript, TypeScript, SQL, HTML, CSS

**Frameworks:** Ruby on Rails, NextJS, React, Redux, Vue, Cypress, Node, Express, Sidekiq

**Databases:** Postgres, MongoDB, MySQL, Redis

**Related Technologies:** CI/CD, Ansible, APM (Sentry, New Relic, Structured Logging), AWS (S3, EC2, Lambda, API Gateway, IAM, CloudFront, RDS, SageMaker)

## EXPERIENCE

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### Senior Software Engineer

July 2022 - September 2023

*Ephemeral Tattoos*

*Brooklyn, NY - Remote*

- Increased developer productivity and eliminated the need for a dedicated designer, resulting in a 70% reduced feature turnaround time, by implementing a design library of components through ViewComponents and Hotwire in Rails 7
- Formalized the process for identifying and fixing bugs and performance bottlenecks in production, improving system uptime by 90%, through the implementation of Sentry and New Relic in our Rails and Node.js projects
- Automated the capture and organizing of customer appointment information, eliminating 3+ hours of manual work for each appointment, by converting a 400 column spreadsheet into TypeForms, services in Rails, and a data model in PostgreSQL
- Developed a full-stack feature that allowed customers to book group appointments, which increased conversion by 100% by integrating a third-party scheduling tool, background jobs in SideKiQ, and a custom UI built in vanilla JavaScript
- Consolidated 3 separate checkout flows and introduced tipping, reducing the need for manager intervention by 100%, by leveraging Stripe and the Pay gem in Ruby along with a custom card terminal implementation

### Senior Software Engineer

March 2020 - June 2022

*Soona*

*Minneapolis, MN - Remote*

- Planned and led the migration of over 3 million images from a user-centric to a shared multi-user account architecture, which enabled the onboarding of enterprise-level clients and helped secure a \$35 million series B
- Automated appointment scheduling and rescheduling, resulting in improved efficiency and a 30% reduction in the rescheduling rate, by creating a custom scheduling library in Ruby that leveraged a pre-filled Redis cache to quickly suggest appointment times and assign staff
- Created a custom SocketIO microservice, accompanying Ruby library, and a shared Redis instance that collectively managed thousands of concurrent websocket connections, and reduced the effort needed to build real-time features from weeks to minutes
- Introduced end-to-end testing for all client-facing user flows, reducing the number of documented bugs in each release by 50%, by writing and deploying a suite of Cypress tests that integrated with a Rails backend and ran on GitHub Actions

### Software Engineer II

April 2019 - February 2020

*Brandless*

*Minneapolis, MN - Remote*

- Led a team of engineers, CX associates, and product managers in identifying and fixing a bug that would have resulted in a \$500k loss through the use of structured logging and TDD in a Rails 6 app built on Spree
- Re-architected the checkout routing system that resulted in higher conversion rates while resolving multiple active bugs
- Improved the reliability of e-commerce checkout process, which improved conversion and eliminated 4 known bugs, by re-architecting the checkout routing system as a state machine in Ruby and creating a new suite of RSpec tests

### Software Engineer

April 2018 - March 2019

*Foundry*

*Minneapolis, MN*

- Integrated wholesale and retail sales channels for enterprise-level Shopify client as part of website rebuild
- Built a cross-platform mobile application using React Native for large healthcare client while maintaining HIPAA compliance
- Lead a zero downtime upgrade of a legacy Rails application for regional home appraisal company from Rails 3 to Rails 5

### Teaching Assistant - Full Stack Development

January 2018 - June 2018

*University of Minnesota Software Bootcamp*

*St. Paul, MN*