



MATTHEW GREENFIELD

Backend Software Engineer

Profile

I'm a Ruby on Rails developer driven by a love for process optimization, documentation, automation, developer ergonomics, and making life more enjoyable through software. I am also a devoted husband and a father of two human daughters and one canine daughter. Most of my free time is spent with my family, but I still sneak in time to write CLIs and automation scripts using Apple Shortcuts, Ruby, LLM APIs, and other various technologies. My thoughts are all in Markdown.

Work Experience

Medely

2022 - 2025

Senior Backend Engineer


- Translated product requirements to engineering requirements
- Regularly performed software deployments
- Developed and maintained endpoints, services, models, and tracking events for Rails API and corresponding GraphQL interface
- Overhauled email templating process, drastically decreasing complexity and increasing readability and maintainability
- Developed a suite of developer tools including data backup/restoration, encryption/decryption, connecting local machine to staging environments, and automating ticket lifecycle
- Created an auditing module to perform dry runs within a block of code, roll changes back, and group associated actions and making them available in Metabase
- Served on committee to organize and run Medely's first Hackathon
- Authored extensive documentation on standard operating procedures, software specifications, and developer tutorials
- Designed and implemented customer data migration scripts, formalized request process, executed hundreds of complex migrations, designed an admin facing tool, implemented the backend, gave a demo, and provided tutorials and documentation
- Designed and implemented a data import framework with a custom DSL to easily generate templates with data validation and examples, asynchronous queuing, and success/error reporting

Teladoc Health

2015 - 2022

Software Engineer III

- Developed patient history, diagnosis, and workflow platform with EHR data integration
- Following a contract ending abruptly, with 2 other developers and 3 months to migrate customers, designed and recreated a replacement patient history templating engine with configurable controls, conditional visibility, adjustable layouts, auditing, notification, format translation, and data integration. Received "Above & Beyond" award
- Developed a secure, high-resolution, high-reliability video conferencing platform for virtual patient consultations
- Created a custom component, data-binding, and PubSub framework for rendering controls over WebSockets to allow multiple users to edit patient data simultaneously (we called it "Jankular" for "Janky Angular")
- Redesigned EHR data integration systems to allow easy creation, customization, and version control

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 Santa Barbara County

 github.com/omgreenfield

Education

BS Computer Science

UCSB

3.85 GPA

High Honors, Distinction in Major

Expertise

Ruby / Rails	● ● ● ● ●
RSpec	● ● ● ● ●
JavaScript	● ● ● ●
TypeScript	● ● ●
React	● ● ●
Jasmine	● ● ●
PostgreSQL	● ● ● ● ●
GraphQL	● ● ● ●
Git	● ● ● ● ●
Bash	● ● ● ●
AWS	● ● ●
Google Cloud	● ●
Docker	● ● ●
Elasticsearch	●
VSCode	● ● ● ●



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Work Experience (Continued)

Yardi Systems

2013 - 2015

Software Engineer

- Expanded X12 EDI parsing and translation system for data exchanges between various systems and formats
- Developed controllers, views, and API adapters for native mobile application
- Designed and developed a responsive web application to ensure a consistent user experience across mobile devices

Mosaic Network Inc.

2008 - 2013

Software Engineer

- Collaborated with customers to design, refine, and implement feature requirements, ensuring solutions aligned with their needs
- Developed detailed engineering specifications, delegated tasks, and implemented full-stack modules tailored to customer requirements
- Managed schema-mapping, translation, and importation of customer databases from previous vendors, ensuring data integrity and smooth transitions
- Acted as resident IT guy and water-dispenser-filler-upper

A Few Personal projects

Soccer Credential Scraper

As a volunteer head coach and referee for my daughters' soccer teams, I discovered that tracking volunteer training compliance required *hours* of manual data entry *each week*.

With no API available, I made a webdriver-based scraper using the [page object model](#) and [action class](#) patterns to gather data, cache it locally as JSON, update a shared Google Sheet, and log changes made each run. During the soccer season, this scraper eachs morning, saving 3+ hours per week—a fortune in volunteer time.

AI-Powered Document Repository

I maintain a document repository with 1,700+ hand-typed markdown files, covering journal entries, meeting notes, cheatsheets, software design, cooking recipes, and more. To efficiently manage and extract insights from this vast amount of text, I built a Ruby CLI leveraging:

- [Thor](#) - command line interface (CLI)
- [Langchainrb](#) - LLM message chaining
- [Kramdown](#) - Markdown/YAML parser
- [Pgvector](#) - vector database for [RAG](#)

This allows me to make requests like:

- Renames files in "preschool_invoices" to follow pattern "invoice.<month>.pdf"
- Read files in "journals" and tell me what my average energy level was in May
- Read files in "recipes" and pick random recipes using chicken and potatoes

Not only does this save me time, but it's also incredibly fun to build and use.

Ruby Gems

omg-attrs

Query Ruby object attributes and associations similar to ActiveRecord

 [omgmini.link/gh-attrs](https://github.com/omgmini/gh-attrs)

 [omgmini.link/rg-attrs](https://rubygems.org/gems/omgmini-link-rg-attrs)

omg-audit-group

Perform dry runs of transactions with grouped audits for further review

 [omgmini.link/gh-ag](https://github.com/omgmini/gh-ag)

 [omgmini.link/rg-ag](https://rubygems.org/gems/omgmini-link-rg-ag)

omg-thor-ext

A copy of [Matt Bricton's code](#) to make Thor behave like a typical CLI

 [omgmini.link/gh-thor](https://github.com/omgmini/gh-thor)

 [omgmini.link/rg-thor](https://rubygems.org/gems/omgmini-link-rg-thor)

Hobbies

- Weight lifting
- Meditation / Yoga
- CLI and script development
- Documentation
- Listening to fiction and non-fiction audiobooks
- Having dance parties and playing "The Floor is Lava" with my girls