

Matthew Robert Walters

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Entrepreneur. Traveler. Software Engineer. Chef. Optimist.

SKILLS

Languages	Ruby ³ , Javascript ³ , Java ³ , Bash ³ , Python ² , Scala ² , Lua ¹ , C/C++ ¹ , L ^A T _E X ¹	Basic - 1
Tools	Rails ³ , Git ³ , Rspec ³ , Capybara ³ , React ³ , Nginx ² , Ansible ² , Docker ² , NodeJS ¹	Intermediate - 2
Data Stores	Postgres ³ , MySQL ³ , Redis ³ , Elasticsearch ³ , MongoDB ²	Advanced - 3

WORK HISTORY

Remote Year | Senior Software Engineer | Jan 2017 - Present

Remote Year provides 12 month adventures around the world to location independent workers.

- Responsible for designing, implementing, and maintaining all digital products for entire company.
- Migrated core customer data from google sheets to Postgres based Rails app without operational downtime.
- Empower team members on various teams with powerful admin tools.
- Built reliable invoicing system on Stripe that handles tens of thousands of dollars of transactions per month.
- Heavily support product, sales, and marketing teams with data collection and analysis.

Shopkeepery | Founder | Mar 2016 - Dec 2016

Starting as a side project, Shopkeepery was an application to help artists sell art.

- Architected simple and scalable backend with Ansible, Nginx, and HAProxy on AWS.
- Deployed by a continuous integration pipeline with RSpec, Ansible, and CircleCI.
- Built custom domain support with Let's Encrypt SSL certs served dynamically with Nginx, Lua, Postgres.
- Created integration with Facebook Marketing API to export collections of products as Facebook ads.
- Designed robust image manipulation pipeline with Sidekiq and Imagemagick.

Swifttype | Software Engineer | May 2014 - Mar 2016

Swifttype delivers search as a service for everyone from small business to large enterprises.

- Maintained API serving 3 billion requests per month with average response times below 200ms.
- Worked with TechOps lead to migrate 800GB MongoDB instance to a sharded MySQL solution.
- Integrated our sales and marketing stack including Salesforce, Pardot, GA, Mixpanel, Olark, and Slack.
- Extended a proprietary multi-tenant highly scalable web crawler built with JRuby.
- Optimized Elasticsearch extensively for search results across thousands of websites.
- Supported multiple 3rd party javascript libraries running in millions of browsers.
- Interviewed over 150 applicants for engineering positions and optimized recruitment pipeline.

Couchsurfing | Analytics Engineer | Oct 2012 - Oct 2013

Couchsurfing is a social network allowing users to find accommodations and activities while traveling.

- Responsible for designing and implementing analytics infrastructure for site serving 7.3 million users.
- Conducted cohort analysis and A/B testing to measure performance of all new features to inform product team.

ONGOING SIDE PROJECTS AND EXTRA CURRICULAR ACTIVITIES

Qualstack | B2B Sales and Marketing Platform

A cohesive approach to your sales funnel – from acquisition to close to retention.

- Implements sophisticated caching strategy for 3rd party javascript.
- Fully configurable without requiring user to write code for non technical users.

Software Mentorship | Pedagogy

My mentors have changed my life, and I believe mentorship is critical to the health of our community.

- Regularly spend a few hours a week in remote pair programming sessions teaching friends and family for free.
- Developed lesson plans for beginning bash, python, ruby, data science, and game development.

EDUCATION

University of California, Berkeley | 2007 - 2012

- Bachelor of Science, Environmental Economics and Policy
- Bachelor of Arts, Anthropology

Selected Coursework

Structure and Interpretation of Computer Programs • Data Structures and Object Oriented Programming
Machine Structures • Algorithms • Modeling Biological Resources • Business Organization and Contract Law
Economics of Innovation and Intellectual Property • Language and the Brain