

Bethany Watson

Motivated software developer with over 3.5 years of professional experience. Skilled in full-stack web development and legacy software system support. Specialized in backend technologies.

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github.com/bethanyvwatson

Technical Competencies

Languages: Strong in Ruby, SQL. Knowledgeable in JavaScript, JQuery, CSS/SASS, HTML.

Frameworks/APIs: Rails, RSpec, Unit Test, Bootstrap, Backbone.js, Stripe, Fastly

Tools/DevOps: Heroku, Pivotal Web Services, Jenkins, Digital Ocean, pSQL, GitHub, AWS

Professional Experience

Software Engineer, GiveGab Inc. May 2014 - Oct 2017

GiveGab began in 2011 as a "social network for volunteers" but now focuses on crowdfunding for nonprofits. Core features include: fundraising event management, a donor CRM, and supporter engagement analytics. GiveGab also creates and manages custom fundraising-marathon websites ("Giving Days"). In 2017, www.givegab.com processed \$12 million in online donations for nonprofits.

- Key developer (1/3) of the API that now supports 25+ "Giving Day" fundraising applications.
 - Apps processed over \$12 million in online donations for nonprofits in 2017.
 - API proven to withstand spikes of 3k req/min, some 24-hr averages of 1990 req/min.
- Created polymorphic in-app survey system that evolved to fulfill 5 unique business needs.
- Reduced the size of "Giving Day" prize administration teams from 3+ to 1 for each app.
 - Initiated, led development of a prize management API and dashboard.
- Led back-end design and development for a complex CSV importer that:
 - Dynamically determined acceptable column headers for each new CSV upload.
 - Employed ActiveRecord Transactions to safely map row contents to object attributes.
- Implemented 4 diverse payment forms, including ApplePay and bulk-payment processing.
- Led load-testing efforts for the GiveGab API and Giving Day applications.
 - Designed and performed high-traffic stress tests to monitor app stability and scalability.
 - Compiled reports to communicate results to technical and non-technical audiences.
- Excelled in management duties for 4 weeks as a substitute engineering supervisor.
 - Led team of 3 engineers through a complete redesign of event registration features.
 - Communicated technical issues to executives and non-technical project managers.

Development Intern, GiveGab Inc. Jan 2014 - May 2014

Delivered features/bug fixes and improved RSpec test coverage for volunteer-based software.

- Promoted to full-time software engineer after 5 months.

Selected Side Projects <https://www.github.com/bethanyvwatson>

Unofficial Ithaca Carshare Trip Estimator - Allows users to preview the total cost of a prospective Ithaca Carshare trip without actually making a reservation. Written using Vue.js, HTML, and CSS.

Racko Card Game - Taking turns, players race to sort their racks of numbered cards into chronological order. Terminal-based gameplay; developed in pure Ruby and packaged with "Traveling Ruby."

www.bethwatson.me - Personal website that serves as a central hub for various creative initiatives, including project demos and a development blog. Written using Ruby on Rails, Bootstrap, and SASS.

Education

B.S Computer Science, Binghamton University