Bethany Watson

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www.bethanywatson.me
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Backend software developer. 3+ years professional programming experience, 2 years full-stack web development and Ops experience. Motivated to empower teammates and users with practical software.

Languages

Proficient:
- Ruby, SQL

Beginner:
- Javascript/JQuery/Ajax
- HTML, CSS

Some Experience:
- Java, C++, C

Frameworks/APIs

- Ruby on Rails
- Backbone.js, Lodash.js
- Bootstrap
- Sidekiq/Sidetiq
- Stripe Payments
- Fastly Caching
- Google Analytics (various)
- Gosu Gaming Library

Ops/DevOps

Servers/Deployment:
- Heroku, PWS, Jenkins

Databases:
- Redis, postgresSQL

Load Testing
- NewRelic, Librato
- blitz.io, loader.io

DNS Configuration
Caching Management

Education

B.S Computer Science
Binghamton University
May 2014

Personal Projects

- Farkle Dice Game
- the Scribble Store

For more information see:
- www.bethanywatson.me

Software Engineer, GiveGab Inc. May 2014 - Pr.

Transitioned www.givegab.com from a "social network for volunteers" into a software suite offering online fundraising and constituent management tools for nonprofits and universities (team of 2-5 engineers). Simultaneously, developed 20+ white-label "Giving Day" applications beginning in 2015 (team of 2-3).

Primary Responsibilities:
- Development and deployment of all web applications
- Database architecture design and implementation
- Feature estimation and frequent peer code review

Selected Contributions:

Independently simplified Giving Day prize administration
- Built a system to reduce the number of people required to administer Giving Day prizes from >3 to 1

Implemented a polymorphic survey service
- Meets 5 unique needs across multiple websites

Integrated payment processing into existing website
- Presented a 30-minute talk on this at a local web meet-up
- Withstands spikes of 210 donations/minute

Designed and performed series of load tests
- Simulated high traffic to API and Giving Day endpoints
- Analyzed performance, recommended improvements

Team Empowerment Initiatives:
- Spear-headed meetings for the engineering team to plan low-priority improvements, initiated 2017 retrospective
- Compiled data to advocate/track workflow improvements
- Actively mentored interns and new developers

Intern, GiveGab Inc. Jan 2014 - May 2014

Learned Ruby on Rails on the job. Grew and contributed as part of a small team developing volunteer-based software for nonprofits/universities. Hired full time after internship.

Researcher, Univ. San Marcos Summer 2013

Researched and developed a system to automatically fill and submit selected categories of webforms, with 80% accuracy for some categories. Tutored teammate in Java programming.