

Ryan Couto

[GITHUB](#) • [LINKEDIN](#)

SKILLS

Go, Git, Bash, Python, Pants, Continuous Integration, Jenkins, Ruby, JavaScript (React, D3, jQuery, AJAX), HTML/CSS, SQL (PostgreSQL, PostGIS, MySQL, SQLite)

EXPERIENCE

Software Engineer II - Twitter (2016 -) - New York, NY

- Member of Engineering Effectiveness org, focused on Continuous Integration and Distributed Execution
- Contributed heavily to Bazel-API-compliant remote execution on [Scoot](#)
- Led effort to create automated quarantining of failing tests from CI test suite
- Directly responsible for reducing difference in execution time for tests ran on CloudExec vs ran locally
- Helped bring CloudExec (our internal, slightly modified version of Scoot) - shared, distributed infrastructure for developer tools - to fruition, serving production traffic for all CI tests
- Assisted with takeover, maintenance, and phase-out of Iron (our brittle and outdated internal distributed infrastructure for CI)
- Created automated muxer for transitional distribution of CI jobs between CloudExec/Iron
- Spearheaded metrics collection used to justify full replacement of Iron with CloudExec
- Drove effort to identify environmental errors encountered on CloudExec

Software Developer - Sweeten (2015 - 2016) - New York, NY

- Increased matching efficiency by writing recommendation engine utilizing both content-based and collaborative filtering
- Saved hours of manual QA testing by implementing RSpec/Capybara/Selenium test suite
- Scraped contractors' past project information from NYC DOB database using Nokogiri, leading to more robust matching data

Software QA Analyst - Lawrence Berkeley Laboratory (2012 - 2013) - Berkeley, CA

- Worked with developers to test web-based applications and stored procedures
- Maintained a database of radioactive containers owned by the Dept. of Energy

EDUCATION

UC Berkeley - Bachelor's in Applied Mathematics: Statistics - Berkeley, CA

PROJECTS

Scoot/CloudExec (Go, Python) [github](#)

Shared, distributed infrastructure to make developer tools more effective, faster to write, cheaper to maintain, and easier to scale

Sweeten (Ruby on Rails, React.js, D3.js, Sass) [live](#)

Web application for matching homeowners and their projects to general contractors

SweetenApp (Appcelerator Titanium, JavaScript)

Mobile application for Sweeten's network of general contractors

ShopUp (Ruby on Rails, Backbone.js) [github](#)

Airbnb inspired clone for commercial pop-up store rentals