

Ryan Couto

[EMAIL](#) • [GITHUB](#) • [LINKEDIN](#)

SKILLS

Go, Python, Git, Bash, Continuous Integration, Jenkins, Aurora/Mesos, Distributed Systems, Object Oriented Design, Ruby, Rails, JavaScript, HTML, CSS, SQL

EXPERIENCE

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

- Maintained CI jobs responsible for ensuring code health of monorepo with >20,000 targets, along with Jenkins infrastructure used for all other repos' CI suites
- Managed large jenkins fleet, including movement of jobs and executors across masters
- Led effort to automatically quarantine failing tests & compiles in monorepo CI test suite
- Contributed heavily to [Bazel](#)-API-compliant remote execution on [Scoot](#)
- Directly responsible for identifying causes and reducing difference in execution time for tests ran on Aurora/Mesos & CI vs locally
- Brought newly created distributed execution infrastructure to fruition, serving production traffic for all monorepo CI tests, through both open source & internally developed software
- Assisted with takeover, maintenance, and phase-out of brittle and outdated internal distributed infra for CI
- Created automated muxer for transitional distribution of CI jobs between newly developed & legacy CI infra
- Spearheaded metrics collection used to justify full replacement of legacy CI infra

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
- Created automated UI tests with HP QuickTestPro
- 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