
SKILLS

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

EXPERIENCE

Twitter - New York, NY

Software Engineer II (October 2017 - Present)

Software Engineer I (August 2016 - October 2017)

- Maintained CI jobs responsible for ensuring code health of monorepo with >60,000 targets, along with Jenkins infrastructure used for all other repos' CI suites
- Managed large jenkins fleet, including movement of jobs and executors across masters
- Fully automated quarantining of failing tests & compilations in monorepo, leading to large productivity gain for entire team by greatly reducing time spent working on extremely common oncall task
- Implemented metrics collection for at a glance view of monorepo code health
- Contributed heavily to [Bazel](#)-API-compliant remote execution on [Scoop](#)
- 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- Assisted with takeover, maintenance, and phase-out of brittle and outdated internal distributed infra for CI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

Sweeten - New York, NY

Software Developer (August 2015 - August 2016)

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

Lawrence Berkeley Laboratory - Berkeley, CA

Software QA Analyst (August 2012 - August 2013)

- 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

Ryan Couto

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EDUCATION

UC Berkeley - *Bachelor's in Applied Mathematics: Statistics*, 2014 - Berkeley, CA

- Relevant Coursework: Linear Algebra, Numerical Analysis, Real Analysis, Complex Analysis, Abstract Algebra, Concepts of Probability, Multivariable Calculus, Differential Equations, Discrete Mathematics
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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