Ryan Couto

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 Scoot
- ➔ Brought newly created distributed execution infrastructure to fruition, serving production traffic for all monorepo CI tests
- ➔ Assisted with takeover, maintenance, and phase-out of brittle and outdated internal distributed infra for CI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

EDUCATION

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

PROJECTS

Scoot/CloudExec *(Go, Python)* github
Distributed execution infrastructure
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