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Ryan Couto

GITHUB   •   **LINKEDIN**

SKILLS

Go, Git, Bash, Python, Pants, Bazel, Continuous Integration, Jenkins, Ruby (Rails, ERB, HAML), JavaScript (React, Backbone.js, D3, Appcelerator Titanium, jQuery, AJAX), HTML, CSS (Sass), Unit & Integration Testing (RSpec, Capybara, Selenium), Heroku, SQL (PostgreSQL, PostGIS, MySQL, SQLite), AWS S3, R, Stata, MATLAB

EXPERIENCE

Software Engineer II (Engineering Effectiveness) - *Twitter (2016 -)* - New York, NY
- ➔ Contributed heavily to Bazel API defined remote execution on Scoot
- ➔ Led effort to create automated quarantining of failing tests from continuous integration test suite
- ➔ Directly responsible for reducing difference in execution time for tests on CloudExec vs ran locally
- ➔ Helped bring CloudExec (internal version of Scoot) - shared, distributed infrastructure for developer tools - to fruition
- ➔ Assisted with takeover, maintenance, and phase-out of Iron (our brittle and outdated internal distributed infrastructure for continuous integration)
- ➔ Created automated muxer for transitional distribution of continuous integration jobs between CloudExec and Iron
- ➔ Spearheaded metrics collection used to justify full replacement of Iron with CloudExec
- ➔ Drove effort to identify environmental errors encountered running Pants' 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 (2014)* - Berkeley, CA

App Academy - *Advanced Software Engineering Immersive Program* (2015) - New York, NY

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 app for commercial pop-up store rentals