Jessi DiTocco

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TECHNOLOGIES

Languages | Python, JavaScript (AJAX, JSON), HTML, CSS, SQL
Frameworks/Libraries | Flask, jQuery, Bootstrap, Jinja
Database/Industry Tools | PostgreSQL, Git, Linux, Ripple ledger protocol

PROJECTS

Jam | A music-focused social network application that connects people through events using Eventbrite, Google Maps, and SendGrid's (emailing) API. See the Jam README: https://github.com/jessiditocco/jam_app-02-18.

WORK EXPERIENCE

Backend Software Engineer   **PolySign**   **August 2018 - April 2019 (Current)**

- Company profile: A cryptocurrency start-up developing software solutions for institutional grade digital asset custody. PolySign's backend is a distributed micro-services cloud architecture, based on Python running in Docker, Kubernetes, and Linux, that interface with each other via GRPC calls.
- Implemented the 'transaction' API in the Crypto service and built out general functionality in the Crypto service.
  - Implemented a transaction feature to make deposits/withdrawals on Ripple from a PolySign account.
  - Created Celery tasks to fetch new transactions and update balances from Ripple's ledger on a beat schedule.
  - Increased unit test coverage from 0% to 91% and maintained this high level of coverage as new APIs were added.
  - Wrote unit tests using Python's Pytest framework and incorporated fixtures and parametrization.
  - Wrote integration tests to test entire transaction flows from PolySign to Ripple.
- Built Mock Ripple server using a Flask framework to mock Ripple's public ledger API methods for testing.
- Designed and implemented the Ripple client.
  - Created a client that interfaces with Ripple's public API methods via Python's requests module. Added a subscribe feature in the Ripple client which opens a web-socket connection to the Ripple public network to subscribe to the 'ledger' stream on Ripple's public API.

Business Development Data Analyst (IC)   **Price.com**   **May 2018-July 2018**

- Company profile: An AI powered search engine dedicated to maximizing savings for customers.
- Contacted various retail networks to acquire data feeds via FTP from consumer product data.
- Stored data feed CSV files for various consumer products in the Price Inc. database.

EDUCATION

Hackbright Academy   **Software Engineer Fellowship**   **October 2018-March 2018**

- Accelerated software engineering program for women.
- Curriculum: Python, Git & Github, HTML, CSS, Flask, Jinja, testing, Javascript, AJAX, SQL Alchemy, debugging, data modeling, Bootstrap, UX Design, computer science fundamentals (runtime, stacks, queues, linked lists, trees, recursion, graphs, sorting algorithms)

University of Florida   **B.S. in Biology ; Minor in Business Administration**   **May 2013-May 2017**

- GPA: 3.93 (Summa Cum Laude)
- Relevant Coursework: Calculus I/II, Statistics, Physics I/II, General Chemistry I/II & Organic Chemistry I/II, Biology I/II, Microbiology, Biochemistry, Genetics, Physiology, Micro/Macro-Economics, Marketing, Management, Financial Accounting.