Jordan Roth

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GitHub · LinkedIn · Website

Experience

Attentive Mobile, *New York, NY*   November 2020-February 2022
- Built and maintained a data pipeline to keep track of 500MM users' phone carrier data for usage in billing, segmentation, and downstream investigations
- Implemented a leased, distributed replica system for dynamic SQS consumption to increase throughput from 2k to 15k messages per second
- Designed and led the development of a mitigation service for incident management, allowing degradation modes of major company channels to prevent full outages
- Handled monthly on call shifts on the core engineering team, investigating issues, mitigating incidents, and answering questions
- Load tested vital apps, investigating and fixing major performance gaps, allowing a system to scale from 64 pods to 8 while fulfilling the same throughput and availability expectations

Amazon, *Seattle, WA*   September 2019-October 2020
- Designed, built, and iterated on experimental user experiences on product detail pages
- Created and led sessions focusing on ideation, design reviews, and knowledge transfer
- Managed a backlog and worked with internal stakeholders to develop new projects
- Mentored younger engineers, organized team events, and promoted positive remote culture

Nara Logics, *Cambridge, MA*   February 2019-August 2019
- Productized a novel algorithm for interpreting synaptic networks to provide matches in collaboration with the lead prototype developer to refactor the engine and migrate usage
- Introduced standard architectural patterns, promoting readability and simplifying changes, including a registry system, object composition, and regression testing, as well as surfacing telemetry

Dimagi, *Cambridge, MA*   January 2018-January 2019
- Migrated terabytes of sensitive NoSQL data to a SQL data store, using Python scripts to safely chunk data, re-process it, and check its final validity
- Developed algorithms to minimize data freeze and downtime on active data sources
- Primary maintainer of a Java/Apache Spring app used to replicate mobile behavior on web
- Scripted the migration of hundreds of Javascript modules to modern patterns using sed

Jana Mobile, *Boston, MA*   January 2016-December 2017
- Surfaced system health in an ops center constructed using Grafana, Graphite, and Statsd
- Developed a Python RSS ingest/caching system with feedparser, C*, and AWS CloudFront
- Contributed to a new self-service platform built in Flask and Angular, backed by C*
- Expanded system capability to attribute user actions through third party platforms
- Built a generic autofill tool for forms in Android WebView
- Polished, built, and rebranded menus, forms, popups, and more preparing for a branded chromium release

Skills

- Python
- Django/Flask
- Java/Spring
- git/GitHub

- zsh
- SQL
- DynamoDB
- PostgreSQL

- Redis
- SQS
- TypeScript
- React

- Pandas/NumPy
- Terraform
- Vim
- VS Code

Portfolio

Snake   GitHub · Live
  Browser version of the classic mobile game built with Vanilla JS and jQuery
- Selectable modes allow up to three players to play on the same keyboard
- Computer player directed by A* pathfinding algorithm

Chess   GitHub
  Command line version written in Ruby with an AI opponent
- Leveling computer player AI builds weighted move tree to determine next move

Sparklr   GitHub
  Photo sharing site inspired by Flickr
- Single-page Backbone.js app built on a RESTful Ruby on Rails architecture
- Implemented CRUD for photo uploads and designed a responsive app

Education

App Academy, SoHo, Manhattan, NY   October 2015
    Full time, intensive (80 hours per week) web development program

Brandeis University, Waltham, MA   May 2015
    Bachelor of Arts in History and Philosophy, with High Honors
    Thesis: "Heterodoxy in the Conceptions of the Good Life of Early Christian Monasticism"
    Activities: Archaeology, Object Curation, Marathon, Competitive Debate, Ultimate Frisbee