

Sr. eng w/ experience at fast-growing companies

Senior Engineer at Simon Data

NYC / Remote, Sept '17 - Present

As an early hire I helped the company double in size (inc engineering team). I rebuilt one of their core products (customer segmentation product) from scratch as an SPA, worked on their internal DSL for customer segmentation, pushed for reusable isolated environments with Docker Compose/AWS ECS, implemented customer subdomains, improved their deploy process to allow parallel deploys of different environments, served too many on-call shifts to count, worked in-depth on another core product, their campaigns (aka flows) product.

Tech: Python 2/3, Django, PostgreSQL + MySQL, React, Redux, Webpack, AWS, Docker/Compose, Elasticsearch, RabbitMQ, Jenkins

Cofounder at DoubleBlinded

NYC, Jan '16 - Sept '17

I worked on a team of two Ph.Ds (a neuroscientist from Columbia University and a biologist & data scientist from San Diego State University) and two software engineers to research the feasibility of doing single participant (n-of-1) clinical trials as a way to make trials for generic drugs and non-patentable medical practices more economically feasible and to improve postmarketing surveillance. **As primary co-founder I was more involved in business-development and research than engineering.**

Tech: Python, Pandas, R, Numpy, Matplotlib, React, Redux, RabbitMQ, Redis, Docker (Compose), Semantic UI

Senior Engineer at Teachable

NYC, June '14 - Jan '16

As the first hire, I built the core product's UI which is now used by thousands of schools and generates millions in revenue. The Angularjs-based platform allows teachers to upload lectures, create online courses, and accept payments. I added functionality to the Rails backend as needed, implemented ElasticSearch, set up an automated end-to-end testing system with CI, and interviewed engineering candidates.

Tech: Angular, Node, Gulp, Protractor, Elasticsearch, Docker, Ruby, Rails, Stripe, Postgres, AWS, Codeship

Engineer at Epic Playground

Boulder, Jan '12 - Feb '13

I wrote a realtime analytics engine with a team of four developers that processes billions of user events per second. (Think "play" or "click" events.) We wrote the engine in Java using Bloomfilters to handle the realtime sorting of events and Titan Graph DB for managing relationships between users and properties. I also participated in the three month TechStars Cloud program with this company and did the majority of the technical interviewing while hiring.

Tech: Java, Titan, Redis, AWS, DropWizard, Cassandra, Ruby

Misc

Recurse Center

Winter II 2016

Recurse is a retreat for senior and new engineers with participants coming from companies like Google, Dropbox, and Ebay. While there I wrote an open source command line tool in Node that analyzes a user's emotion and sentiment over their lifetime by using an API to detect emotion in photos of them taken every 5 minutes. I wrote an analysis of my own dataset using Pandas in an open source Jupyter Notebook.

github.com/cjroth/chronist

New York Code + Design Academy

Summer 2016

I taught part of the Intro to Web Development course to a class of 15 students and helped develop the course curriculum from scratch.

Values

Humbleness

Curiosity

Commitment

Skepticism

Kindness

Empathy