

Full Stack Engineer w/ 7 Years Node Experience

Senior Engineer at Makook Studio

NYC / Remote, Feb '17 - Present

I wrote a web application with another engineer to manage the company's inventory and products. We focused on scalability, realtime updates, and mobile-friendliness so that the app could handle an indefinite number of records with continuous scrolling in a fixed $O(1)$ time while running on iPads in stores and delivery trucks.

Tech: Node, React, Redux, Material UI, React Virtualized, Python, Dynamo, AWS, Docker (Compose), Deepstream, Redis

Senior Engineer at Teachable

NYC, June '14 - Feb '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 Walk [Your City]

Raleigh / Remote, June '13 - June '14

I wrote a revenue-generating, mobile-first web app that allows users to design and order street signs in four languages. I worked with the founder to create a product roadmap. I integrated Stripe to handle payments, used SVGs with PhantomJS to render signs, and implemented QR codes to allow users to get walking directions on their phones.

Tech: Node, Postgres, Redis, PhantomJS, SVG, Digital Ocean, Stripe

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 day. (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, Node

Misc

Recurse Center (aka Hacker School)

Winter II 2016

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