

In Short

I'm a mostly self-taught programmer, and I've been coding professionally since 2014.

Today I write mostly in JavaScript, TypeScript, and Ruby. For previous work, I've written a lot of Python. I have a little experience writing Elixir and Java.

My work covers the fundamentals of full-stack engineering. I've built stateful front-end apps using modern JavaScript tooling. I've also built the APIs and services that power these client apps.

Education

M.S. Information Management

Syracuse University / December 2015

B.S. Information Management & Technology

B.A. Political Science

Syracuse University / May 2014 (Summa Cum Laude)

Skills

Languages

- JavaScript
- TypeScript
- Ruby
- Python
- HTML
- SCSS / CSS
- GraphQL

Some experience

- Elixir
- Java
- SQL

Frameworks & Tools

- React
- Vue
- Ractive
- Express
- Bookshelf & Knex
- Ruby on Rails
- Elasticsearch
- Redis
- MySQL

Experience

Vox Media / Full-Stack Engineer 2

New York City / July 2017 – Present

- Built a search pipeline grounded in Elasticsearch for our editorial dashboard. This work included creating an index versioning system and support for a custom keyword search DSL.
- Coordinated a multi-month project to migrate our CMS's user authentication system while ensuring zero user downtime. Worked with Redis, GraphQL, Node, and Ruby on Rails to build parts of the new system.
- Built command-line tools for managing long-running data migrations on our CMS's documents
- Planned and implemented a new user permissions authorization system used by multiple services associated with our CMS
- Regularly helps onboard other engineers to our CMS ecosystem, documenting and explaining the intricacies of our content model and tooling
- Mentoring a software engineering intern in summer 2018

Vox Media / Full-Stack Engineer

New York City / February 2016 – June 2017

- Part of the team that rebuilt the editor interface for Vox Media's CMS Chorus as a collaborative, rich-text-driven tool. Contributed many core features written in a full-stack JavaScript environment.
- Shipped iterative improvements to Vox Media's autosave pipeline for concurrent, conflict-free editing. Updates included: improved conflict resolution capabilities, extended the system to handle multiple content schemas, wrote a server-side interface for pushing updates to active clients.
- Regularly presented product features in team-wide reviews. Implemented feedback from designers and product leaders.
- Mentored a software engineering intern in summer 2016

Made by Many / Product Engineering Intern

New York City / May 2015 – August 2015

- Built HelloBacker, a webapp for matching event planners with event sponsorships. Served as the engineer for the intern product team tasked with creating a production-ready application from scratch over the summer.
- Built the project in a full-stack JavaScript environment, working for the first time with React and Flux on the front-end and Express and Bookshelf on the Node backend

BITS Lab / Developer

Syracuse, NY / September 2014 – December 2015

- Lead the development of STACK, a Python app for academic researchers to collect and analyze massive social media datasets from Twitter's Streaming API and Facebook's Graph API
- As a contractor for the World Bank, designed and implemented a custom data collection process using our lab's tools for their research initiatives