

I'm a software engineer with 5 years professional experience. I'm looking for a mission-driven organization making a positive impact on the world.

I program mainly in Python, JavaScript, shell script, and SQL. I'm an expert with Django and have also used Flask, Pandas, SQLAlchemy. I've used pytest and unittest for testing Python code.

I've written JavaScript on the frontend with React and Redux and on the backend with Express. I've used Jest and Mocha for testing JavaScript code.

I'm well-versed in PostgreSQL and Redis and have experience with MongoDB. I've deployed applications to Heroku, AWS EC2, and AWS Lambda, and have used cloud services Sentry, Netlify, Github Actions, Cloudflare, and Twilio.

Software Engineer at Sighden, November 2015 - October 2017, June - November 2019
Independent Contractor, completing 3 contracts January 2018 - June 2018

Developed in Python/Django and JavaScript/Angular on a solar software application.

As a full-stack engineer, I created database schema using Django models, designed REST APIs using JSON Schema, wrote backend logic using Django Rest Framework, and implemented frontend user interfaces using AngularJS.

Feature highlights: wrote an algorithm to fit solar panels into roof polygon shapes and implemented a user interface to design solar projects with the Google Maps JavaScript API. Implemented a report generation framework based on pandas; reports could choose to include any of hundreds of metrics spanning any of our database tables.

Led team to upgrade Django version 3 times and incorporated linting and code formatting into CI.

Software Engineer - Full Stack, Logistics and Operations at Good Eggs
September 2018 - February 2019

Developed in full-stack JavaScript (ES7+Flow and TypeScript) for an online grocery store.

Developed workflow applications to direct associates to perform actions and allow them to manage inventory. Target devices: web browsers on handheld scanners and desktop computers.

Education

Bachelor of Science, Engineering in Computer and Information Science, University of Pennsylvania, 2015. Yay Philly!

Other

Instructor at Intermediate Python Class at Noisebridge, June 2016 - September 2018.

Taught web development to high school students with Code Nation January 2017 - May 2019.

Instructor at Yoga to the People May 2018 - present.