



New York, NY



(609) 462-6519



paabrown@gmail.com

Paul Brown

Full Stack Software Engineer

paulbrown.io



github.com/paabrown



linkedin.com/in/paabrown



PROFESSIONAL EXPERIENCE

Careerlist

Feb 2018 - Present

Software Engineer

- Joined Careerlist before the product launched and played a key role in determining the architecture of the application and mentoring subsequent hires
- Deployed a listhost-like email relay service using AWS SES, SQS, lambdas, S3, and our python API to queue and process messages sent between our users using their own email clients
- Enabled full text search in our application by developing indices, schemas, and search queries for an Elasticsearch instance, deployed in Google Cloud, and synced to changes in our PostgreSQL database
- Created a generic analytics module that collects data on user interaction with our UI and hooks into the APIs of Google Analytics, Amplitude, Facebook Analytics, and Heap to collect and analyze the data
- Built a system for creating asynchronous functions in python, using a decorator that serializes the function's identity and arguments, passes the data to a Google Cloud task queue, triggering a Node.js microservice, which hits an endpoint that dynamically identifies and calls the function
- Built and deployed a greenfield application (Chrome extension) with an engineer-friendly devOps environment, using Webpack to bundle code, Typescript and Babel plugins for transpilation, with linting and support for CSS modules

Lesson Builder

Nov 2017 - 2018

Freelance Software Engineer

- Worked with the LAMP stack to complete various projects for three web properties receiving ~150,000 unique visitors per month, with ~50,000 paying subscribers

Balsam Brands

2012-2014

SEO Specialist

- Used Google Analytics API to create an auto-updating report to measure organic search performance across our 15 online ecommerce brands
- Scraped vendor product pages using xpath and regex to generate metatags for drop-ship products

(SOME) TECHNICAL SKILLS

Client-side

React, Typescript, Javascript, ES6, Redux, Backbone, Analytics libraries, Chrome extensions

Server-side

Python, Node.js, Elasticsearch, PostgreSQL, MySQL, MongoDB, Falcon, SQLAlchemy, Express

Developer Tools

Google Cloud, AWS, Webpack, Babel, Git, Jest, Heroku, Firebase

EDUCATION

University of Chicago — History and Philosophy, 3.9 GPA — 2006-2010

Honors: summa cum laude, Phi Beta Kappa

PERSONAL

Fun facts: There is an Emmy award in my apartment

Very specific current interests: Decorating a new apartment, Jersey City, how databases work, Tiffany Cabán