

Technical Skills

Front end: Javascript (ES6), React, Redux, React Native, Jest, Mocha, Chai, HTML5, CSS, jQuery, Babel, Webpack

Back end: Python, Docker, AWS (EC2), Node.js/Express, MySQL, PostgreSQL, MongoDB

Workflow: Git, Agile Development, JIRA, Trello

Software Engineering Projects

LocalSpots, Software Engineer - *Travel Planner app*

- Refactored backend in PostgreSQL for legacy application to improve scalability for 10M primary records and 100M secondary records to handle high traffic requests with low latency
- Identified system bottlenecks utilizing stress-testing tools such as Loader.io and New Relic
- Scaled component infrastructure with AWS EC2 component instances and NGINX load balancer, improving throughput from 400 requests per second to 1000 requests per second.

FitKicks, Software Engineer - *Online Sportswear store*

- Developed a lightweight and portable React application with Express server using Docker and dynamic IP addresses to deploy a web page with full-fledged microservice architecture connected to a MySQL database
- Improved customer experience by optimizing page load time from 7.8s to 4.3s
- Implemented CSS-in-JS framework using React styled-components and localized CSS to create reusable assets and seamless integration

Work Experience

Hack Reactor - *Immersive Resident Instructor* - San Francisco, CA June 2020 - Present

- Led and mentored over 60 engineers on data structures/algorithms as well as web development using JavaScript, React, Node.js, Express, PostgreSQL, MongoDB, and AWS
- Performed code reviews and provided technical guidance during system architecture design and implementation phases for 100+ projects

WanderJaunt - *Data Analyst Intern* - San Francisco, CA May 2019 - Sep 2019

- Analyzed user behavior and financial transaction data using PostgreSQL and Amazon Redshift to predict fraud risk, reducing 5% chargeback rate to the industry standard of 2% and recovering 11% of profits over 3 months
- Prioritized Key Performance Indicators (KPIs) for housekeeping and created visualization dashboards to increase transparency

Pharmacyclics - *Research Assistant* - Santa Clara, CA Jun 2018 - Aug 2018

- Collected and analyzed experimental data on the efficacy of the drug Imbruvica® - contributing to its FDA approval as the first chemotherapy-free, Anti-C20 regimen for Chronic Lymphocytic Leukemia

Buck Institute for Research on Aging - *Research Assistant* - Novato, CA Jun 2017 - May 2018

- Collaborated with stakeholders to deliver replicable experimental data and wrote proposals for regenerative medicine grants

Data+ at Duke Social Science Research Institute - *Data Research Intern* - Durham, NC May 2016 - Aug 2015

- Imputed large dataset of grocery purchase patterns under the SNAP program using models in R and MATLAB to optimize product placement for healthier foods

Education

Hack Reactor - *Advanced Software Engineering Immersive* - San Francisco, CA May 2020

Duke University - *Bachelor of Science, Biology Major and Statistics Minor* - Durham, NC May 2019

- Relevant courses: Data Structures and Algorithms, Regression Analysis, Mathematical Modelling in Biology, Statistics of Surveys, Probability and Statistics