Sam Getlan

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Technical Skills

Frontend: Javascript, React, React-Router, Redux, Angular, SASS, CSS, HTML, jQuery, AJAX, Axios
Backend: Node.js, Express, MySQL, MongoDB/Mongoose, PostgreSQL, Redis, Socket.io, Serverless
Tooling and Deployment: Git, Docker, AWS, Jest, Enzyme, TravisCI, Artillery, New Relic, Babel, Webpack
Data Science: Python Basics, NumPy

Software Engineering Projects

Kelp, Software Engineer | https://github.com/Kelp1/kelp-reviews
Scaled backend of reviews microservice for a restaurant reviews platform
- Enabled Node clustering, refactored inherited server logic, and cached data with Redis when possible in order to improve server capability from 500 RPS to 6200 RPS
- Deployed a sharded MongoDB to maintain performance as database size increases
- Implemented server-side rendering for SEO benefits as well as instantaneous initial page load

Impetus, Software Engineer | https://github.com/initial-impetus/community-module, https://github.com/initial-impetus/navbar-module
Created frontend and API for the Community and Navbar microservice of a crowdfunding project page
- Constructed a RESTful API in Express/NodeJS to efficiently serve data to the client
- Assembled project with a micro-service architecture consisting of individual dockerized containers in order to quickly deploy an MVP and allow rapid-iteration
- Modularized components using React and SASS partials so that they would be easily reusable in other projects
- Achieved over 80% test coverage while adhering to test-driven development with Jest and Enzyme

DroppinData, Software Engineer | https://www.droppindata.com, https://github.com/SamGetlan/DroppinData
Video Game Companion app that tracks user data, and recommends start locations based on data
- Built a full-stack responsive web app using Node/Express, MongoDB, and React
- Authenticated users using passportJS and bCrypt allowing users to track their individual data
- Created a filterable dashboard to display subsets of user data using HTML5 Canvas and Recharts

Experience

Hack Reactor, Lead Teaching Assistant - "Shepherd"   San Francisco
- Manage and mentor a class of 40 engineers through an advanced software engineering   Jun 2018 - Present
  immersive
- Conduct code reviews and live debugging sessions to ensure technical readiness
- Help students overcome broken mental models involving CS fundamentals, JS frameworks, RESTful APIs, and debugging

TechTrek, Finance & Systems Manager   Beijing
- Implemented systems & processes for budget allocation and monitoring of multiple   Jan 2017 - Dec 2017
  departments
- Created financial models and performed cost benefit analyses on different strategic decisions
- Discussed business strategy with leadership and lead cross-cultural teams to carry out decisions
- Prepared financials and a financial narrative leading up to Series-A funding, resulting in a successful round of financing

Education

Hack Reactor, *Advanced Software Engineering Immersive Program*   June 2018
American University, *B.S. in Business Administration - Finance Specialization*   May 2016
American University, *B.S. in Environmental Science*   May 2016
Danish Institute for Study Abroad, *Environmental Science and International Finance*   December 2014