Bryan Manuele

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TECHNOLOGIES

Front-end: JS, React, Redux, Angular, Vue, D3, Jest/Enzyme, Mocha/Chai, Sass, HTML, CSS3+
Back-end: Node.js/Express, Ruby/Rails, Go, Spring-Boot, MySQL, MongoDB, AWS, Docker, Serverless

PROJECTS

Foodsie.io: *Tailored Restaurant Reviews app for foodies*– React, Redux, CSS Modules, Jest
- Integrated Google maps and places API for retrieving and displaying information on nearby restaurants
- Built a modular and responsive component library to achieve a cohesive cross platform user experience
- Set up a custom babel config to cache bust static assets and ensure bundle size remains below 1MB

Chompy: *Microservice design of restaurant reviews service* – React, stylish, Redis, Postgres, Docker, AWS
- Generated and seeded MySQL with 10 million records and optimized queries to take < 2 ms
- Load-tested and scaled backend microservice to achieve > 1000 rps on AWS EC2 micro
- Deployed microservice with Docker using AWS EC2, RDS, and Redis to reduce coupling

Instabot.js: *A cli-based Instagram automation tool* – Node, Typescript, Puppeteer, NPM
- Empowered users to post content and automate following on Instagram directly from the cli
- Used Puppeteer to traverse Instagram's web interface and simulate authentic user input
- Built a high quality POSIX cli api to allow for easy sequencing with other tools such as cron

Symbolic-Calculus: *A Node package for symbolic calculus* – Node, Mocha, Algorithms, NPM
- Developed an algorithm for string to equation-tree interpolation and for symbolic differentiation
- Wrote a robust suite of unit tests with mocha and chai and achieved 100% test coverage

Medium.com: *Editor on HackerNoon and Noteworthy* – Technical Leader, Public Speaker, Tech Advocate
- Published technical articles on Web Engineering topics ranging from 'Best practices for building React apps' to 'Implementing JWT Authentication' to 'The Tradeoffs to using Serverless Backends'

EXPERIENCE

Germain APM, *Full Stack Engineer – San Francisco, CA*   2018
- Developed a modern and responsive metrics dashboard for time-series data using D3
- Enhanced backend Spring-Boot api endpoints to optimize time-series related requests

Aerendir, *Data Science (Machine Learning) Intern – Mountain View, CA*   2017-2018
- Developed a C implementation of Support Vector Machines Classifier for embedded systems
- Played a role in architecturing the data pipeline for our machine learning algorithms
- Developed and documented proprietary Digital Signal Processing (DSP) algorithms

Berkeley E3S Labs, *NanoPhysics Research Assistant – Berkeley, CA*   2016
- Investigated the semi-conducting properties of atomically smooth Graphene Nanoribbons

Independent Mobile Developer, Android (Java SDK), Maven, Gulp – *Palo Alto, CA*   2014-2016
- Developer and deployed three open source apps with over 5000 cumulative downloads

EDUCATION

Hack Reactor, *Advanced Software Engineering Immersive – San Francisco, CA*   2018

Foothill College, *A.A Physics, A.A. Mathematics – Los Altos, CA*   2015-2017