Dylan Larrabee
Software Engineer
dylanlarrabee.me

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Technical Skills at a Glance
Strong: Javascript, Typescript, Node.js, ReactJS, AngularJS, AWS Stack(much more than just EC2 + S3), HTML5/ CSS3
Experienced: CD/CI Tools, Functional Programing, Scala, Python, SQL RDBMS(eg. PostgreSQL), NoSQL(eg. MongoDB)

Professional Experience
Wonder Workshop, *Head Web Services Engineer*   *2017 - Present*
- Worked on many cross-functional teams to meet business objectives; including marketing, education, design, quality assurance, and localization
- Owner and maintainer of frontend and backend for the company's microservice based web services
- Built a scalable, high throughput user data storage solution to provide cloud storage for applications
- Lead the engineering effort of the company's education application for schools
- Proctored technical interviews for candidates applying to the company

Hack Reactor, *Lead Software Engineering Fellow*   *2016 - 2017*
- Designed and contributed to program containerization/ microservice curriculum used by hundreds of students yearly
- Mentored multiple engineering teams through code review, debugging, and architecture design
- Built internal tool that efficiently distributed student-instructor time within the team, saving ~10 hours per week
- Proctored 100+ technical interviews and mock interviews for prospective students and alumni
- Conducted twice-weekly lectures to 70+ students on algorithms and coding challenges

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Education
Hack Reactor, *Immersive Software Engineering Program*   *2016*
Eastern Washington University, *B.S. in Biology*   2012 - *2016*
- Coursework of Interest: *Data Analysis for Biologists (exposure to the R Language)*

Software Engineering Projects
Ripple | *Web service integration platform*
- Architected a custom Express backend handling webhooks from multiple APIs for performing custom actions
- Responsible for building the entire front end utilizing ReactJS and Redux to design an intuitive UI/UX
- Designed a performance optimized PostgreSQL database allowing fast and concurrent access

TagMe | *Photo-journaling app that uses Machine learning to automatically add tags, captions, and geo-locations*
- Integrated S3 Amazon Web Services with MongoDB to optimize backend media storage and retrieval
- Extended functionality of an existing React Native codebase to include geolocation and visualization
- Optimized synchronous and asynchronous API calls for performant user experience

Markable | *Chrome Extension for sharing links, markups, and comments with groups, overlaid on any website*
- Designed a performance optimized PostgreSQL database allowing fast and concurrent access
- Used Angular to build a Chrome Extension that handled DOM injection and overlay rendering
- Using Scrum, lead a team of 4 engineers to meet MVP under a tight deadline

Shakle | *A functional and educational vanilla JS Promise module for Node.js, hosted on npm*
- Created an educational npm module as resource for those in the JavaScript community to learn about Promises
- Used vanilla JS to to build from scratch a Promise class with advanced helper methods
- Shakle is open source and is a great starting point to jump into open source contribution

Please-Contain-Yourself | *Docker curriculum that introduces developers to software containerization practices*
- Provides both conceptual and practical clarity to topics such as containerization, microservices, and orchestration
- Designed and integrated original, hands-on coding projects to exhibit both simple and advanced uses of Docker
- Uses easy-to-understand metaphors to present Docker in an un-intimidating way

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About Me
In my spare time I'm usually brewing kombucha, hiking the bay area, or thinking about robots. I get excited about anything that lets me be creative - recently that means I've been busy cooking, programming microcontrollers, and 3D printing.