DILLON LUTHER

SOFTWARE DEVELOPER

CONTACT

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TECHNOLOGY

Python
Django
TypeScript
JavaScript
Ruby on Rails
React
Redux
React Native
PostgreSQL
MySQL
HTML | CSS
Git

EDUCATION

App Academy
Full Stack Development
2017

Arizona State University
Mechanical Engineering
2014

FUN FACTS

Professional swing dancer
Can do a backflip
Unreasonably afraid of sharks
Has a man-bun

EXPERIENCE

Full Stack Software Engineer | ReferralExchange
San Francisco, CA ▪ Feb 2018 - Aug 2019
Ruby on Rails, React, JavaScript, MySQL

- Architected backend search tool that enabled internal team to easily modify tasks for clients using Ruby on Rails and JS, decreasing UI loading time and saving work hours for operations team
- Built UI of company's new flagship product with implementation of drag-and-drop user submission and pub/sub controlled loading display, projected to generate ~$5,000,000 annually
- Wrote 100+ unit tests for backend models and controllers using Minitest, Mocha, and Ruby on Rails, resulting in 95%+ coverage of personally contributed code

Mechanical Product Engineer | Cisco Systems, Inc.
San Jose, CA ▪ July 2014 - Aug 2017

- Managed mechanical new product introduction (NPI) of 10+ enterprise networking products that had a combined +100M forecasted annual run-rate

PROJECTS

NoiseNimbus | Full Stack
A single-page application, inspired by SoundCloud. Built with Ruby on Rails, PostgresSQL, React.js, and Redux.

- Engineered secure user authentication via ActiveRecord model validations and database constraints using Ruby on Rails and React ensuring customized user experience and user specific data
- Enabled users to users to upload tracks and images securely using AWS S3 server and Ruby's Paperclip, allowing users to personalize their experiences and profiles
- Implemented asynchronous audio playback using Redux and React, resulting in users being able seamlessly navigate site without audio interruption

PayToPlay | Frontend
A data visualization analyzing the highest paid athletes of 2017, according to a Forbes article. Created with JavaScript, D3.js, HTML5, CSS3.

- Merged JSON data into interactive tooltips using D3.js and JavaScript, providing user with detailed athlete statistics that are accessible via mouseover

Smooth | Full Stack Team Project
A mobile mapping application that incorporates user preference to craft an efficient and safe route. Built with Rails and React Native, and utilizes Google Maps API.

- Mapped elevation and crime statistics to location coordinates using React Native, Google Maps API, DataSF, and OpenStreetMap, enabling users to specify their route preferences based on danger and ease of travel