

# DILLON LUTHER

SOFTWARE DEVELOPER

## CONTACT



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## TECHNOLOGY

Ruby  
Ruby on Rails  
React.js  
Redux  
React Native  
JavaScript  
SQL  
HTML  
CSS  
Git  
RSpec

## EDUCATION

### App Academy

Full Stack Development  
2017

### Arizona State University

Mechanical Engineering  
2014

## FUN FACTS

Competitive swing dancer  
Can do a backflip  
Unreasonably afraid of sharks

## PROJECTS

### NoiseNimbus | Full Stack

A single-page application, inspired by SoundCloud. Built with Ruby on Rails, PostgreSQL, React.js, and Redux.

- Ensured customized user experience by implementing secure user authentication via ActiveRecord model validations and database constraints
- Installed AWS S3 server and setup Paperclip to allow users to upload tracks and images securely
- Created fluid, asynchronous audio playback by manipulating the Redux state to maintain track information in each view

### PayToPlay | Frontend

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

- Utilized D3 library of JavaScript to join JSON data to HTML elements, which allowed for the creation of informative tooltips
- Incorporated CSS to beautifully style the visualization and design interactive features such as filtering by class and tooltip display upon mouseover
- Processed data from Forbes article into JSON format for efficient access and transformation

### Smooth | Full Stack Team Project

A mobile mapping application that incorporates user preference to craft an efficient and safe route. Built on Rails and React Native, and utilizes Google Maps API.

- Constructed a form of Dijkstra's algorithm on road network graph in order to find optimal path based on user preferences
- Accessed Google Elevations API, DataSF, and OpenStreetMap to map elevation and crime statistics to our location coordinates
- Designed smooth user interface using React Native libraries along with HTML and CSS, including features such as stack navigation and preference sliders

## EXPERIENCE

### Mechanical Product Engineer | Cisco Systems, Inc.

San Jose, CA • 2014 - 2017

- Managed mechanical new product introduction (NPI) of 10+ enterprise networking products in first three years
- Launched three Nexus data center switching products with +100M forecasted annual run-rate
- Collaborated cross-functionally to coordinate the on-time and under-budget implementation of engineering, compliance, marketing, and contract manufacturing teams throughout NPI