DILLON LUTHER

SOFTWARE DEVELOPER

CONTACT

tech@dillonluther.com

www.dillonluther.com

/dillonluther

/dtluther

TECHNOLOGY

TypeScript
Python
Django
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 ▪ 2018 - 2019
Ruby on Rails, React, JavaScript, MySQL

- Developed backend search algorithm that handled user input and optimized the display based on the number of items returned
- Collaborated with a teammate to build the user interface of the new flagship product in time for a critical industry-wide deadline; the project comprised views for handling billing, querying results, and user submission via drag-and-drop functionality

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

- Ensured customized user experience by implementing secure user authentication via ActiveRecord model validations and database constraints
- Implemented AWS S3 server and used Ruby's Paperclip to allow users to upload tracks and images securely
- Created asynchronous audio playback using Redux 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 to store JSON data in HTML in order to visually display information
- 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 with Rails and React Native, and utilizes Google Maps API.

- Constructed a form of Dijkstra's algorithm on road network graph to optimize path
- 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, which enabled us to implement features features such as stack navigation and preference sliders