Sarah Larkworthy

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Github | Blog | LinkedIn

Full-stack developer using Ruby on Rails and JavaScript with a background in Physics and Opera performance. Motivated by a blended arts and sciences background to write code that not only works, but is maintainable, flexible, and readable. Possesses strong skills in virtual communication, problem solving, and flexibility that help responsible tech companies continue innovating in a frequently-changing environment.

SKILLS

JavaScript, Ruby, React, Redux, Rails, SQL, html, CSS, Git, Sinatra, ActiveRecord, PostgreSQL, Mathematica

SOLO PROJECTS

Focus Buddy - Frontend | Backend | Demo
An alarm cycle app that allows a user to save their preferred length of work and break time for any activity.
- Conceived of and designed a Rails API backend to store data and a React frontend with Redux and Redux-thunk to handle client interaction.
- Created functional dynamic timers and gave users full CRUD functionality over these timers.
- Implemented Http-only cookies to enable users to log in and log out.
- Scoped fully custom styling to components using CSS modules.

Solar System Generator - Frontend | Backend | Demo | App
A solar system creator that allows a user to design and render a solar system model.
- Developed a rails API backend with endpoints for solar systems, planets, and stars.
- Designed frontend with vanilla JavaScript using ES6 syntax.
- Created fully custom CSS styling to create a 3-dimensional solar system appearance that changes dynamically based on user input.

MyMediaTracker - Github | Demo | App
An app that lets a user keep track of the movies, books, and TV shows they have experienced.
- Designed and developed a rails app using MVC pattern with models for users, media, experiences, and categories.
- Allowed user sign-in with a google account using the OAuth gem.
- Implemented complex ActiveRecord scope methods to parse and filter data.

EXPERIENCE

Forbes Music Company   McLean, VA
Private Voice and Piano Teacher, independent contractor   01/2019 - 07/2020
- Created lesson plans for students aged 5 to 65 that improved their performance, practice habits, and confidence.
- Smoothly transitioned all students from an in-person environment to a virtual one, allowing them to stay focused and continue making progress towards their musical goals.

Starbucks   McLean, VA
Barista   09/2017 - 05/2019
- Worked peak morning hours at one of the busiest stores in the district and got experience working several different customer-facing positions in high-stress environments on a frequently-changing team.
- Accurately memorized over a hundred drink recipes and streamlined drink-making patterns to reduce wait times and customer complaints.

EDUCATION

Flatiron School   Online self-paced
Full Stack Web Development, Ruby on Rails and JavaScript program   01/2020 - 07/2020

Oberlin College and Conservatory - 3.62 gpa   Oberlin, OH
Bachelor of Arts (BA) - Physics   08/2012 - 05/2017
Bachelor of Music (BM) - Vocal Performance   08/2012 - 05/2017