Mallory Bulkley

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SKILLS

JavaScript, Ruby, Rails, React.js, Redux, jQuery, HTML5, CSS3, SQL, Git

PROJECTS

Stratus Sound (Rails, React.js, Redux)   Live | Github
Full-stack, single page music streaming web app
- Decoded audio files asynchronously and saved samples of the channelData in a PostgreSQL database resulting in accelerated rendering of waveform visualizations
- Implemented a Flux architecture, utilizing a single HTML5 audio player and the Redux store to maintain a seamless listening experience
- Incorporated reusable, modular React components to keep code DRY

A Day in the Life of Citi Bike (JavaScript, Firebase)   Live | Github
An object-oriented visualization of Citi Bike trips using Google Maps
- Calculated the speed between inflection points along each route to provide a smoother and more accurate visualization of trips over time
- Optimized animation of trips by pre-fetching routes from Google Maps API and saving them in the cloud using Firebase

WORM (Ruby)   Github
Lightweight ORM library with a custom API for retrieving and manipulating data
- Emphasized convention over configuration by providing sensible defaults for association class names
- Leveraged Ruby metaprogramming and SQL to simplify complex database queries by dynamically defining methods based on column and association names

EXPERIENCE

Software Engineer, *Persado*, *May 2017 - Present*
- Work with a small team on a client-facing application written with Rails and React
- Optimized test suite to reduce runtime by 45%
- Implemented code splitting, performance improvements, reduced bundle size by 91%

InterActiveCorp (IAC), *Jun 2014 - Dec 2016*
Jr Accountant, Media Division, *Apr 2015 - Dec 2016*
- Spearheaded team of five in new international licensing collections processes, leading to a 50% reduction in outstanding accounts receivable
- Extracted and parsed financial data from an Oracle database
- Programmed command line scripts to reduce time spent on repetitive tasks

Accounts Payable Clerk, *Jun 2014 - Mar 2015*
- Eliminated over six months' worth of backlogged work by streamlining workflow and creating templates to simplify the process of coding invoices in Oracle

EDUCATION

Web Development - *App Academy, 2016 - 2017*
- Rigorous 1000-hour full-stack software development course with <3% acceptance rate

BBA, Music Business - *Belmont University, 2014*
- GPA 3.872 (Magna Cum Laude, Dean's List)