Sage Browning

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TECHNICAL SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, Node.js, SQL, jQuery, REST APIs, Git, HTML5, CSS3, Python, Django, RSpec, MongoDB, Mongoose, Express, AWS, Heroku, Webpack, PostgreSQL, MySQL, SQL Server

EXPERIENCE

Sr. Integration Engineer

Schoology   May 2016 - Jul 2018

- Took initiative to develop web app tools with Python/Django to automate and standardize common tasks for Solutions Architecture and Client Services teams.
- Guided clients through technical implementations to maximize adoption and ensure client success.
- Evaluated, designed, and executed diverse custom projects for key clients by gathering requirements, defining scope, and developing solutions using MySQL, Python, Django, Express and Node.js on AWS infrastructure.

Sr. Business Intelligence Developer

Trustpilot   May 2015 - May 2016

- Built a robust Business Intelligence environment to collect and transform raw HR, sales, and financial data into actionable information in the hands of company leadership through a variety of reporting tools.
- Worked with analytical teams in HR, Finance, and Sales Operations to establish project requirements and timelines.

PROJECTS

PICTUR (Ruby, Rails, React, Redux, jQuery, SQL)   live | github

A single page clone of Imgur, supporting image uploads, tagging, and commenting

- Utilized S3 to store user image uploads in AWS and ImageMagick to auto-generate thumbnails, reducing server load and allowing for scalable growth of image services.
- Created a database structure which stores critical aggregated information, updated strategically at write-time, in order to create more efficient bulk data queries thereby allowing greater scalability and greater site responsiveness.
- Leveraged extensive SQL knowledge to build efficient API queries that join multiple tables and aggregated data points, allowing all relevant data to be retrieved quickly.

SPLAT (Express, React, Redux, Mongo)   live | github

A full stack web audio tool with a sampler, sequencer, theme grouping, and featured sequences loaded from a NoSQL DB

- Engineered an efficient data structure and REST API in order to minimize trips to the database and simplify application structure, resulting in faster load times and a simpler development cycle for my team.
- Developed audio file storage scheme and project initialization scripts, ensuring fast and simple environment setup.
- Created responsive frontend design to effectively convey webapp reaction to user input, as well as provide clear information of underlying state in order to create a simple and inviting user experience.

DATA EXPLORER (D3.js, JavaScript)   live | github

A lightweight data visualization and exploration tool built on JavaScript and the D3.js library

- Architected data-agnostic codebase capable of providing visualizations regardless of the chosen dataset, allowing for reusable charts and "plug and play" functionality.
- Created UX-focused data visualization that strategically hides information, avoiding text overlap, preserving strong design standards, and preventing information overload for the user until it is requested.

EDUCATION

Web Development - *App Academy | Fall 2019*

- *1,200-hour immersive full-stack web development intensive with <3% acceptance rate*

BS Management Science with Distinction - *University of California, San Diego | June 2009*

BA Digital Arts - *University of California, San Diego | June 2009*