James U. Robertson

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TECHNOLOGIES & SKILLS

Python, JavaScript, React.js, Redux.js, Node.js, Express.js, Styled-Components, Mocha.js, Chai.js, Jest, Flask, SQLAlchemy, MongoDB, PostgreSQL, SQL, HTML5, CSS3, Git, AWS S3, Docker, Linux, bash

PROJECTS

CoffeeHub   Github | Live Site
Social platform to help coffee roaster enthusiasts create, store, and share their roasts
React / Python / Flask / SQLAlchemy / Postgres / AWS / D3 / Styled-Components / Docker
- Utilized Rechart and D3 for rendering dynamically created graphs based on real time user input.
- Manipulated JavaScript Date class to dynamically create a clickable svg grid 'garden' of all roasts made in the previous year, modeled after Github's repository 'garden'.
- Designed and utilized a custom made component library to DRY up the code base.

JavaScript-Trivia   Github | Live Site
Trivia game and API with questions about JavaScript in 10+ languages
React / Express / Gatsby / Node.js / MongoDB / Jest
- Constructed Mongo database with 10 collections, 1000+ documents, and utilize database normalization principles to optimize storage and efficient querying.
- Served JS trivia questions via RESTful API on Express server.

Isn'tgram   Github | Live Site
Full stack photo sharing app modeled after Instagram
React / Python / Flask / SQLAlchemy / PostgreSQL / Styled-Components / AWS S3 / Docker
- Architected backend schema to connect the React frontend to a Postgres database through a RESTful API.
- Built each component with a mobile first approach using styled-components that make for a beautiful user experience on all screen sizes.
- Stored images in AWS S3 to reduce server load and allow for scalability.

Slick   Github | Live Site
Workplace communication app modeled after slack
React / Redux / Node.js / Express / Sequelize / Postgres / AWS
- Leveraged Redux to handle all high level state changes and present complex data relationships clearly.
- Integrated autocomplete search functionality on all search forms using Material UI component library.

RELEVANT EXPERIENCE

App Academy
Software Engineering Bootcamp   **2020**
- 6 month immersive software engineering bootcamp
- Educational topics include: Javascript, Python, React, Redux, Flask, TDD, SQL, specification writing, HTML, CSS, git

Fairfield Inn & Suites Marriott, Auburn, AL   **2016-2018**
General Manager
- Directed operations and business functions for a 74-room property, with $3 million in annual revenue, four departments and 30 employees.
- Improved guest satisfaction scores from bottom 10% to top 20% of all Fairfield Marriott hotels.