Parker Bolick

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SKILLS

React | Redux |Node.JS | Flask | Express | PostgreSQL | SQLAlchemy | Javascript | HTML | CSS | SQL

PROJECTS

OpenBoard   (ReactJS, Redux, Flask, PostgreSQL, SQLAlchemy)   live | github

OpenBoard is a task management application oriented towards bug tracking for software engineering projects.

- Developed intuitive drag and drop functionality by utilizing React Beautiful DnD on the frontend and a mutable array column in the database to allow users to reorganize tasks into different sections on their project board.
- Integrated a responsive task auto-save by updating the front end state immediately with React's useState hook then dispatching new data to the server in order to persist task content changes.
- Reduced backend API fetch calls to update user state by leveraging the PostgreSQL database one to many relationships and eager loading allowing for a quick navigation experience for the user when updating project tasks and board configurations.

QuickJot   (ReactJS, Redux, Express, Node.js, PostgreSQL, Sequelize)   live | github

QuickJot is a note-taking application that allows notes and notebooks to be created, organized, and searched for.

- Implemented a quick search feature by creating a slice of state in Redux that utilizes already fetched user data to allow users to search against their note and notebook titles.
- Created a modal based form environment by using React context and click event listeners to allow for a seamless user experience when displaying and submitting forms across various React components.

ToTheMoon   (ReactJS, Redux, Flask, PostgreSQL, SQLAlchemy, IEX Cloud API)   live | github

To the Moon is a stock trading website created to emulate trading securities and investing for beginners.

- Collaborated with three other engineers during a week-long sprint utilizing user stories and daily standups to delegate tasks for efficient application completion.
- Built a stock graph using Plotly.js by leveraging the onMouseHover prop to extract graph data values and update the parent component's price state to create a functionally dynamic stock price display.

EXPERIENCE

Stellantis (formerly Fiat-Chrysler Automobiles)   **Baltimore, MD**

Resident Engineer   Feb 2020 - Jun 2021

- Maintained vehicle build quality in line with corporate metrics for the RAM ProMaster City
  - Achieved 35 conditions per 1000 vehicles for the 2020 fiscal year, below the target of 50 C/1000
- Provided technical direction for corrective actions towards issues with supplier parts and assembly processes
- Created and updated standard operating procedures to eliminate opportunities for man or method related issues

Specialty Product Technologies   **Elizabethtown, NC**

Product Design Engineer Intern   Jan 2017 - May 2017

- Developed internal ABS components of a prototype hubodometer designed to operate at interstate speeds, built a tester to analyze performance and refine associated components
  - Improved product cell fixtures on factory floor to lower Takt time by 20%
- Addressed manufacturing change requests by improving outdated part drawings by creating CAD models to make digital drawings and updating internal databases accordingly.

EDUCATION

Full Stack Software Engineering - *App Academy* | *Jun 2021 - Dec 2021*

BS Mechanical Engineering - *University of Georgia* | *Aug 2015 - Dec 2019*