Maxwell Wehner

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SKILLS

JavaScript, NodeJS, Express, React, Redux, PostgreSQL, Python, Flask, HTML5, CSS3, Pug, Docker, Git

PROJECTS

Waveform | *(React, Redux, Flask, PostgreSQL, SQLAlchemy, Amazon AWS)*   **live** | **github**
- Integrated Amazon AWS, to store image and music files, in order to reduce server load and increase scaling capability.
- Normalized Redux state shape to allow for near instant look up time, to speed up the site and allow for a faster experience.
- Optimized the SQL queries and wait time by sending the query only at submit time and breaking if any parameter was incorrect, therefore reducing the wait time on submit. Along with having a many to many relationship this allowed for a much quicker query time.

Indie | *(React/Redux, Express, PostgreSQL, Sequelize)*   **live** | **github**
- Maintained privacy through the use of React Router and BCrypt Hashing. BCrypt was used to hash passwords and store a hashed version in the database. With the use of React Router only the specified user would be capable of visiting pages they are allowed to see.
- Reduced memory usage by having only the ten most recent games stored in Redux and having every other necessary game fetched at time of need, reducing the memory requirement for the user and speeding up the site.
- Allowed for intuitive use with React synthetic events and React Scroll Horizontal. This was used to allow users to scroll in a more comfortable way and save screen real estate, along with React onMouseOver and onMouseLeave to add hover effects to React directly.

TreeBnB | *(React/Redux, Express, PostgreSQL, Sequelize)*   **live** | **github**
- Reduced PostgreSQL tables needed and DRYed up the backed through the use of one-to-many relationships. Along with Sequelize models and queries to take advantage of that relationship on the backend.
- Managed scheduling an booking CRUD through custom transactional database operations using PostgreSQL
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form inputs and form submissions.

EXPERIENCE

Team Member
Harkins Theaters   2018 - 2020
- Worked in a fast paced team environment to get a full theater of 300+ seats cleaned in less than 10 minutes.
- Provide calm and helpful assistance to customers having problems and confusion of any kind.
- Maintained calm under high stress, during rushes when needing to serve 100s of customers minutes before a showtime begins

Information Technology Support Specialist
POSitive Technology   2016 - 2017
- Set up, tested and inspected android POS systems to have the correct software and hardware installed before shipment.

EDUCATION

AppAcademy - Immersive web development and software engineering program | 2021