David Joongwon Lee

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SKILLS

Javascript | React / Redux | HTML | CSS | Python | Flask | Express | Node.js | SQL | PostgreSQL | SQLAlchemy | Sequelize | Docker | Alembic | Git

PROJECTS

Task Free   (React / Redux, Python, Flask, SQLAlchemy)   live | github
A task organizing app inspired by Remember the Milk
- Established user privacy by implementing BCrypt Hashing function in the backend along with Auth Routes in the front end to override the documentation of plain text passwords and prohibit unauthorized users from user specific features.
- Developed a smooth, intuitive UI by utilizing the Redux store in the frontend and SQLAlchemy in the backend to render instant changes made by user activity.
- Incorporated Modal forms by building Modal components and React hooks in the front end to create sleek transitions from viewing to inputting data for the user.

VoyageBnb   (React / Redux, Express, PostgreSQL)   live | github
A bed and breakfast app inspired by AirBnb
- Configured the Node backend with PostgreSQL, using the sequelize ORM for validations and database queries.
- Constructed logical functions by applying conditionals and array methods to prevent user bookings from overlapping with other concurrent bookings.
- Implemented form error handling in the backend by integrating various middlewares in Express to catch any errors that might arise from user inputs.

Petstagram   (React / Redux, Python, Flask, SQLAlchemy)   live | github
A photo sharing app inspired by Instagram
- Contributed to a pixel perfect full-stack application in a time sensitive environment by constructing ideas into production and embracing the balance between building new relationships and maintaining a productive work environment.
- Leveraged the consecutive dispatch of action creators and thunks from different Redux stores to prevent a two fold manipulation of the database when rendering changes to multiple slices of state.

Memehub   (Javascript, Express, PostgreSQL, Sequelize)   live | github
A meme sharing app inspired by Medium
- Utilized Express in the backend and Pug in the frontend to create a comment feature where users can create, delete, or edit their comments on a particular meme.
- Integrated API routes in order to dynamically update the UI when user activity is detected.

EXPERIENCE

Optometrist Assistant | *Eye Logic Eyecare*   Feb 2018 - Jul 2019
- Interacted with Crystal, an Office Management Software, to track appointments and log information when conducting pre-exam screenings.
- Tendered to a pleasant client experience by ensuring the union of professionalism and service.
- Engaged in monthly meetings with team doctors by presenting ideas and solutions to increase customer engagement and improve day to day workflow.

Educational Consultant | *Southwestern Advantage*   May 2015 - Sep 2015
- Responsible for launching a personal business; managed sales planning, accounting, scheduling, and presentation of products to generate over $7,000 in sales.
- Was 1 of 8 to be distinguished and invited to come back as a Manager from a team of 30 members.
- Maintained and worked 80+ hours a week building rapport with over 1,000 families in cities just north of St. Paul, Minnesota

EDUCATION

Web Development - *App Academy | Spring 2022*
Bachelors of Science in Exercise Science - *University of Houston | Winter 2020*