Soul Lee

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A full-stack software engineer with roots in dental studies and biology. I am a logical thinker who likes to challenge myself with learning new algorithms, frameworks, and languages, and I enjoy applying new skills to current and future projects to improve efficiency by being resourceful.

SKILLS

JavaScript, React.js, Redux, HTML5, CSS (Flexbox and Grid), Node.js, GitHub, Jesting, Restful API and 3rd Party API, Vue.js, Next.js, JQuery, Python 3.6, HTML5, Heroku Deployment, PostgreSQL, Insomnia, Express, MongoDB, Sequelize, Django, Firebase, Sanity, Vercel

SOFTWARE DEVELOPMENT PROJECTS

SnowBook

- Developed a social platform for communities of skiers and snowboarders to plan activities together to connect segmented communities for two weeks of planned development cycle.
- As a Scrum master, I made sure every deliverable had functionality the team agreed upon and listened to all suggestions and comments daily.
- Used ERD and hierarchy diagram to carefully plan how the components, states, and file style was going to be passed down to its parent component.
- Utilized a PERN stack (Postgres, Express, React.js, Node.js) to build a full stack application with full create, read, update, delete (CRUD) functionality using query in axios and RESTful API calls.
- Utilized an Openweather API to check the weather and used dynamic variables to change endpoints to look up weather forecasts in the current location and planned activity locations.
- Successfully deployed the frontend and backend to heroku.
- Integrated a responsive design by implementing mobile-adjusted features and styles using CSSwith flexbox and grid.
- Developed a hash encrypted authentication system to secure sensitive user data using firebase.

Type Speed Test

- Utilized Postgres, Express, Vue.js,Node.js to build a project that tests how fast users can type and share with friends.
- Whiteboarded and created a component hierarchy chart and ERD to lay out its components.
- Created custom controllers using Express to support key features with a third-party API.
- Deployed a frontend to surge to make it available for online use for all of its functionality.
- Used states to indicate error, accuracy, and words per minute to the users.
- Used DOM manipulation to add classes to validate the input values against suggested words and track input errors to calculate accuracy.

Connecting Friends

- Developed an app that uses React.js and google map api to look up nearby restaurants, hotels and attractions to enjoy them with friends.
- Used material-ui for icons and better user experience.
- Each time the grid or center location changes in the map, the useEffect calls a function to look up another query to look for new restaurants accordingly.
- Used query to filter according to the rating and types of search from a dedicated location to grinds in the map.
- Displayed the closest restaurant to appear in the list and ability to look up more detailed information for user convenience

PROFESSIONAL EXPERIENCE

University of Georgia, Network Operator   August 2016- May 2018
- Managed and maintained client tickets and phone calls regarding connection and network issues ensuring service requests were solved or sent to appropriate departments.
- Configured residential and business building wifi and ethernet ensuring ports for increased customer usability and faster internet.

EXPERIENCE

Pharmaceutical Epigenetics Lab
Software Engineering Immersive   December 2016 - December 2017
- Worked in an epigenetics lab with a protein that was used as a marker for certain types of cancers and studied its behavior to create a method of curing cancer.

UGA Biology PLA
- Worked as a peer learning assistant to assist a professor in a classroom setting as well as a tutor setting to help them understand different concepts in biology.

EDUCATION

GENERAL ASSEMBLY
Software Engineering Immersive   Completed, March 2022

University of Georgia
Bachelor's of Science (B.S)   Graduated, May 2018
- Graduated with a degree of biological science.

Additional Courses
100 Days of Code: The Complete Python Pro Bootcamp for 2022   October 2021 - March 2022
The Complete JavaScript Course 2022: From Zero to Expert!   December 2021 - February 2022
AWS Cloud Practitioner Essentials   May 2022 - current