Alexander Heasley

Full Stack Engineer | Software Engineer | Backend Engineer | Frontend Engineer

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TECHNICAL SKILLS • JavaScript • Python • Flask • React • HTML5 • CSS3 • HTML • CSS • POSTGRES • NodeJs • Express • Redux • SqlAlchemy • Sqlite • Docker • Git • Pytest • Amazon Web Services • Google Cloud Services • *API*Google Cloud Services • *API*• Tailwind• Bootstrap• OAuth• Gimp• Openshot

PROJECTS

TableTopGalaxy | [Github](#) | [Live](#)   **Jan 2024 – Feb 2024**
- Employed Tailwind CSS to expedite the development process, crafting a responsive and adaptive web interface that enhances user interaction across diverse devices.
- Integrated OAuth authentication to streamline the login process, significantly enhancing user convenience by enabling seamless access through existing credentials..
- Innovatively combined localStorage, Redux, and database "flags" to implement a robust autosave functionality. This feature ensures that users can seamlessly resume their activities even after unintended interruptions (power surges), thereby enhancing the user experience by safeguarding progress during mid-task disruptions.
- Advanced the integration of localStorage and Redux to optimize performance by minimizing the use of thunks across the application while maintaining database integrity. This resulted in rapid character creation and accelerated battle sequences.
- Designed and Implemented intelligent thunks that load all applicable data, dependent on database flags to know how far to load.
- Developed an SVG-based visualization framework for dynamic game state representation, employing conditional rendering to adaptively showcase game conditions. Also Integrated the 'Fantastic Dice' library to enrich user experience with animated dice roll simulations.

Moodify | [Github](#) | [Live](#)   **Sept 2023 – Oct 2023**
- Collaborating with four, Utilized SQLAlchemy for concise querying and updating of models in the routes.
- Leveraged SQLAlchemy's back_populate feature to backfill multiple values to the user.
- Implemented PostgreSQL, a dependable RDBMS, to store data in structured tables as well as allow multiple connections to the database. Resulted in greater scalability,security, and protected data from loss by offering strong data storage and automatic backups.
- Utilized Docker to containerize our project, enhancing portability and ensuring seamless deployment across multiple environments.
- Enhanced user experience by implementing AWS S3 integration for album cover images and audio files, enabling users to seamlessly add, edit, or delete media assets.

EXPERIENCE

Customer Service Representative • *ID Logistics* • Gardner, KS   **Mar 2021 – Nov 2022**
- Managed log-in operations and interactions with the Pepsico computer system for efficient check-in and check-out of truckers.
- Facilitated real-time schedule adjustments through effective coordination with team members via Microsoft Teams.
- Handled email communications with team members to promptly address and resolve issues related to incoming truck loads.
- Proactively updated the database and optimized scheduling to minimize overtime and wait-pay expenses for truckers.

EDUCATION

App Academy • *Full Stack Web Development*   **Completed 11/2023**

Johnson County Community College • *Associate Arts Degree in Liberal Arts*   **Completed 06/2011**