

Aaron Bishop

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SKILLS AND TECHNOLOGIES

JavaScript, React, Redux, Node.js, Express.js, Python, Flask, SQLAlchemy, SQL, PostgreSQL, HTML, CSS, Git, VSCode, Ubuntu, Postman

NOTABLE PROJECTS

ThesaRush

<https://thesarush.onrender.com> | <https://github.com/AaronPBishop/ThesaRush>

Unique multiplayer word game with various complex game-play mechanics and engaging skill-based rewards.

(React, Redux, Flask, SQLAlchemy, ES6 JavaScript, HTML5, CSS3)

- Developed a sophisticated skill-based reward system that incentivizes players to submit lengthier words and accrue more points in-game. Utilized advanced matrix operations to implement special tiles which can be turned into any letter, clear surrounding tiles, or multiply score, thus enhancing the overall gaming experience and engaging the player.
- Utilized Redux actions to efficiently perform various board operations, including recursive generation of random starting boards, splicing off cleared letters, and rearranging input bar letters based on tile coordinates and selection or deselection.
- Implemented a 'Challenge' feature which enables users to send and receive challenges from other players within an array of leagues, with customizable time limits and difficulty levels, allowing players to compete against each other and compare results. Developed a scoring system that rewards winners with varying points for a victory.
- Designed a trophy system that incentivizes players to achieve in-game milestones, such as earning badges or ranking up, by awarding them with a unique collectible. Ensured that the trophy system aligned with in-game stats, such as badges, rank, and total wins.

Buzz

<https://buzz-vxv2.onrender.com> | <https://github.com/AaronPBishop/Buzz>

Full-stack Slack inspired asynchronous messaging application

(React, Redux, Flask, SQLAlchemy, HTML5, CSS3)

- Coordinated a team of three developers and leveraged expertise in project management, code reviews, and cross-functional communication to ensure timely completion of project milestones and successful deployment of the application.
- Leveraged global state listeners in order to conditionally dispatch timed backend requests at intervals, creating highly-responsive, asynchronous messaging functionality between users.
- Employed data-driven design principles to build a state-management system that loads messages from the organization or channel currently being viewed, resulting in improved application performance and faster load times.

Bishop-BnB

<https://bishop-bnb.onrender.com> | <https://github.com/AaronPBishop/Bishop-BnB>

Airbnb inspired application that enables homeowners to easily list and rent out their properties to travelers.

(React, Redux, Express, Sequelize, HTML5, CSS3)

- Incorporated modern UI/UX design principles and seamlessly integrated RESTful backend API routes in order to enhance application performance.
- Developed a robust search feature that enables users to accurately query for properties based on location.
- Created a custom booking component which conditionally builds reservations based on previously booked dates, utilizing advanced conditional logic in order to streamline the booking process.

EDUCATION

App Academy - Software Engineering Immersive - 3% admission-rate 48 week program - Pair-programmed daily and developed several full-stack browser applications using a variety of programming languages, libraries, and frameworks.

Lone Star College System - Associate of Arts - Business Administration - Graduated Summa Cum Laude (3.9 GPA)

PROFESSIONAL EXPERIENCE

Perishables Specialist

H-E-B, Apr 2017 - Present

- Awarded 'Bob Brandt Customer Service Award' for outstanding customer service.

ACCOMPLISHMENTS

- Certified Eagle Scout