

SKILLS React.js, JavaScript, RESTful APIs, Express, Redux, SQL, Sequelize, PostgreSQL, SQLAlchemy, Python, Flask, Git, HTML5, CSS3, Pug, Heroku, Render, Docker, DOM, Mocha, MongoDB, Node.js, AWS Amplify, Cognito, DynamoDB

EXPERIENCE

Web Applications Developer (*Contract*)

Duke University/ Duke Temporary Services

Nov 2022 - Feb 2023

- Researched and developed solutions to increase scalability of a legacy full-stack Express application
- Implemented user authentication through AWS Amplify, OAuth 2.0, and AWS Cognito in order to optimize the sign up process for both users and administrators.
- Owned the full conversion and redeployment of the project backend from MongoDB to DynamoDB

PROJECTS

Artygram | (*React-Redux, Flask/SQLAlchemy, Python, RESTful APIs, SQL, CSS*)

[Live](#) | [GitHub](#)

Pseudo-social media platform focusing around artists that wish to share their works, inspired by Instagram.

- Addition of the customized react-particles feature that adds flair to the app and creates a nostalgic visual experience, similar to Instagram
- Collaborated with team members using Git workflow and Slack to achieve features in a timely manner while switching between frontend and backend
- Reduced SQL table usage by 25% and heavily DRYed up backend code by implementing a one-to-many polymorphic table on the database level
- Adhered to React and ES6 best practices to generate a true single page reactive web app experience

Gamernite | (*Python/Flask, SQLAlchemy, RESTful APIs, CSS, React-Redux*)

[Live](#) | [GitHub](#)

Event planner/ticketing app focused around games, expos, tournaments and other events

- Seamless implementation of various inputs and dataflow similar to Eventbrite
- Employed Redux to optimize information management of React components to create DRY, readable code and increased scalability of a single-page application
- Created a RESTful API utilizing SQLAlchemy for easier querying through Flask backend database

GoodSeeds | (*Express, JavaScript, PUG templates, PostgreSQL, RESTful APIs*)

[Live](#) | [GitHub](#)

A house plant tracking app for your personal collection of plants, inspired by GoodReads

- Incorporated AWS S3 to implement user image uploads, reducing load on server and allowing for scalability of image services.
- Utilized PUG templates to provide structure for our HTML, allowing for a code structure that is easier to read and manage
- Managed shelf creation and plant addition CRUD through custom transactional database relations using PostgreSQL

EDUCATION

North Carolina State University - *Bachelor's of Arts in Psychology, 2017-2020*

AppAcademy - 1000+ hour long intensive bootcamp that introduced fullstack languages and frameworks such as Express, Flask, React-Redux, Python, JS, SQL, SQLAlchemy, which I used to build my projects.