Wooyoung Kim

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Skills

React.js, Redux, JavaScript, HTML5, CSS3, SQL, Sequelize, postgreSQL, SQLAlchemy, Alembic, AWS S3, Heroku, Websockets/socket.io, Express, Flask, Python, Node.js, Google Maps API,

Projects

CItyBrb: AirBnb Clone   [live site](#) | [github](#)

HTML5 , JavaScript , CSS3 , React, Redux, postgreSQL, Sequelize, AWS S3, Heroku, Express,Node.js,

Project Description

- Employed the use of AWS buckets to enable users to dynamically upload image files, reducing server load, and improving user experience.
- Leveraged React/Redux's frontend routing to dynamically update site UI according to user input changes, allowing for the user to see their changes in real time
- Incorporated multiple Express API routes using a postgreSQL database and Sequelize queries to create an optimized data flow for users to interact with.
- Constructed a pixel clone of AirBnb using CSS selectors and HTML attributes to allow for an easier user experience

Instaounce: Instagram Clone   [live site](#) | [github](#)

JavaScript, React, Redux, postgreSQL, CSS3, AWS S3, Heroku, SQLAlchemy, Alembic, Flask, Python, Docker

Project Description

- Worked with a team of developers to create this Instagram clone as opposed to solo work, gaining experience in working with others in a team setting, as well as allowing for experience in leadership opportunities to be possible.
- Incorporated Flask and Alembic data models, which allowed us to create complex data table relationships through our ORM. This would allow for simple yet powerful queries to be produced, creating a DRYer, faster backend, which in turn increased the project's scalability.
- Through the use of AWS and CSS, I was able to create a dynamic photo upload UI modeled after Instagram's very own form, in an effort to draw on a potential user's own experience with the original Instagram, with the goal to both ease and improve user experience.

Discord-me: Discord Clone   [live site](#) | [github](#)

JavaScript, React, Redux, postgreSQL, CSS3, Heroku, HTML5, SQL, Sequelize, Websockets/socket.io, Express, Node.js

Project Description

- Leveraged the power of the ORM technique to create a powerful database with many interconnected relationships. This was done with the intention to allow for simpler database queries, which would allow for reduced load times, and potential scalability in the future.
- Employed websockets/socket.io to enable real time, dynamic messaging capabilities between users through direct messages, text channel rooms, and a functioning prototype voice chat. All done solo and self taught.
- Utilized Express API routes to retrieve data from the postgreSQL backend. With this data, implemented sorting algorithms to organize user data in order to tailor a user's specific experience with the site, improving the user experience.

Experience

Lab Technician | January 2021 - August 2021

Medical Diagnostics Laboratory

- Responsible for running diagnostic tests on patient samples through the use of several different technologies, such as an extractor gene, PCR and RotorGene machines, and gel electrophoresis
- Worked as a team member, allowing for more efficient sample testing and to be able to quickly notify clients of test results.

Education

App Academy | October 2021 - May 2022 | Online
Immersive software development course with focus on full stack web development

University of Rochester | Class of 2020 | Rochester, New York
Bachelor of Science in Neuroscience