Keanen Bafekr
Software Engineer

Github Profile   LinkedIn Profile   Portfolio Site   keanenbafekr@gmail.com

SKILLS

Languages: Javascript, Python, HTML5, CSS3, SQL, Git, Java, C#, Rust
Proficient in: React, Redux, Flask, SQLAlchemy, Express, Sequelize, jQuery, Docker, Heroku, AWS, PostgreSQL
Key Skills: Test-Driven Development, Pair-Programming, Object-Oriented Programming

PROJECTS

Hootube (ReactJS, Redux, Flask, SQLAlchemy, AWS, Docker, Heroku)   Live Site | Github
A full-stack one-to-one clone of Youtube, a popular social media and video sharing platform.
- Designed and implemented **complex database schemas** that accurately reflect the fluidity of Youtube's features and utilized SQLAlchemy to efficiently run queries for these interconnected functionalities.
- Created an intuitive, immersive, and friendly user-interface (UI) by using **React** with **CSS**.
- Incorporated **Redux** in combination with **React** to create a globally responsive web application that includes a variety of interconnected and dependent functionality.
- Utilized **AWS** to allow for the secure file uploads and allowed for key features to dynamically function in response.

Klickr (ReactJS, Redux, Flask, SQLAlchemy, Docker, Render)   Live Site | Github
An image hosting site that replicates the key functionality found on the website Flickr
- Collaborated with three other developers in producing a **fully-functional** and **bug-free** web application by utilizing an efficient **git** workflow along with **Scrum** principles.
- Led the construction of the application's **Redux** store ensuring a **dynamic** and fluid **global state** that persists with user interactions and accurately synchronizes with the backend.
- Utilized **Flask** and **SQLAlchemy** to develop a **Restful** backend server with responsive API's for frontend client-side requests.
- Led the development of several core application features using **React** hooks to create effectual and persistent functionality.

MusicCloud (ReactJS, Redux, Express, Sequelize, NodeJS, Render)   Live Site | Github
MusicCloud is a music sharing website based on SoundCloud
- Used **AWS** and **ReactPlayer** to allow for seamless user uploading of music files and allow them to dynamically use them in a modern web application.
- Manipulated **React** and **CSS** to create a sleek, intuitive application that adequately mimics SoundCloud user-interface.
- Created fluid and efficient relationships in key databases and **Restful APIs** by using **Sequelize**, **NodeJs**, and **Express**.

EXPERIENCE

Scale AI   **Remote**
Computer Science Expert - AI   June 2023 – Present
- Worked on various projects to train generative AI models, including ranking code responses, writing code with reasoning, and editing code written by AI models for improved performance and bug fixes.

The Social and Psychological Research for Understanding Crime Etiology   **Tampa, Florida**
Research Assistant   January 2018 – August 2019
- Conducted a meta-analysis for street code as an indicator of gang violence and coded risk assessment data for inmates and their likelihood of recidivism using Stata.
- Compiled data for missing person cases based on key individual demographics and analyzed the amount of media coverage given.

EDUCATION

App Academy   **New York, New York**
24-weeks online full-stack Software Engineering program   November 2022

University of South Florida   **Tampa, Florida**
Bachelor of Science in Cell and Molecular Biology   May 2020