Keanen Bafekr

Full-Stack Software Engineer

KeanenBafekr@gmail.com • [LinkedIn](#) • [Github](#) • [Portfolio](#)

I'm a highly skilled and passionate Full-Stack Software Engineer with specialized training in crafting dynamic web applications and optimizing generative AI models. I'm proficient in cutting-edge web technologies, and I'm committed to technical excellence, innovation, and driving impactful solutions.

TECHNICAL SKILLS • JavaScript • Python • Flask • React • Java • C# • HTML5 • CSS3 • Redux • Flask • SQLAlchemy • Express • Sequelize • jQuery • Docker • Heroku • AWS • PostgreSQL • MySQL • Hibernate • Springboot • Git

RELEVANT SKILLS • Test-Driven Development • Pair-Programming • Object-Oriented Programming • Data Analysis

PROJECTS

Hootube | **Github** | **Live**   *JavaScript • Python • React.js • Redux • Flask • SQLAlchemy • AWS • Heroku*
- Designed and implemented **complex database schemas** that accurately reflected the fluidity of YouTube's features and utilized SQLAlchemy to run queries for these interconnected functionalities efficiently.
- Incorporated **Redux** in combination with React to create a globally responsive web application that includes a variety of interconnected and dependent functionality.
- Leveraged **AWS** for secure file uploads, enhancing key features' dynamic functionality.

Klickr | **Github** | **Live**   *JavaScript • Python • React.js • Redux • Flask • SQLAlchemy • Docker • Render*
- Led a team of four developers in producing a **fully functional** and **bug-free** web application by utilizing an efficient **Git** workflow and **Scrum** principles.
- Championed 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.
- Developed a **Restful** backend server with **responsive API** for client-side requests using **Flask** and **SQLAlchemy**.

MusicCloud | **Github** | **Live**   *JavaScript • React.js • Redux • Express • Sequelize • Node.js • AWS • Render*
- Used **AWS** and **ReactPlayer** to allow for seamless user uploading of music files and allow them to use them in a modern web application dynamically.
- Manipulated **React** and **CSS** to create a sleek, intuitive application that adequately mimics the SoundCloud user interface.
- Created fluid and efficient relationships in critical databases and **Restful APIs** using **Sequelize**, **NodeJs**, and **Express**.

EXPERIENCE

Computer Science Expert - AI • *Scale AI*   06/2023 − **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.
- Implemented rigorous testing and validation procedures, validating AI models' accuracy and reliability, leading to robust and reliable AI-driven solutions.

Programming Expert - AI Model Trainer • *Appen*   01/2023 − 06/2023
- Demonstrated adaptability and problem-solving skills by continuously iterating on AI model training approaches, resulting in measurable improvements in AI model performance.
- Collaborated in a dynamic and interdisciplinary environment, contributing to the development and evaluation of AI models' capabilities.

EDUCATION

APP ACADEMY • Software Engineering Program in Full-Stack Web Development   12/2022

UNIVERSITY OF SOUTH FLORIDA • *Bachelor of Science in Cell and Molecular Biology* • Tampa, FL   **2020**