Interactive Band Simulator Web App

Developed an engaging, interactive music application that allows users to mix different instrument tracks in real-time. Features include dynamic background animations, responsive design for mobile and desktop, and individual track controls for tempo and volume.

Key Technologies:

- React.js

- Docker

- CSS3 Animations

- Howler.js Audio Library

- Nginx

- Linode Cloud Infrastructure

Features:

- Real-time audio mixing with 7 instrument tracks

- Dynamic background animations synchronized with music

- Responsive design for all screen sizes

- Individual tempo and volume controls per instrument

- Psychedelic/Moonlight theme toggle

- Containerized deployment with Docker

- SSL encryption

- Google Analytics integration