Josh Geisler   Front End Developer

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Technical Skills

Typescript, Javascript, React, Redux, Tailwind CSS, Material UI, Node JS, Postgres, Sequelize, Firebase, Serverless, Cloud Functions, JAMStack, NoSQL Databases, MongoDB, Mongoose, React Native, Stripe API, Paypal, Webpack, Babel Git, Heroku, Netlify, Wordpress, Web Audio API, Web MIDI API, Audio Engineering

Experience

2020 - Present - Music Tech Startup
Front End Developer
- Responsible for designing and developing a real-time, collaborative, loop-based musical web app
- Programmed multi-touchable user interfaces for mobile devices
- Developed and maintained realtime state syncing between devices with web sockets
- Designed and implemented sample-accurate audio playback with the Web Audio API
- Created an FM synthesizer and audio effects from scratch in the Web Audio API
- Architected a combination of object-oriented audio programming with functional programming in React

Technologies employed: Typescript, Javascript, React, Redux, Web Audio API, Node JS, Express, Socket IO

2012 - Present - Freelance
Full Stack Developer
- Implemented a live-streaming portal for a Brooklyn-based arts organization that enabled them to continue producing events and taking payments during the pandemic with Stripe, Firebase, Serverless Functions, React, and an Express API
- Architected an in-browser guitar multi-effects processor with the Web Audio and Web MIDI APIs
- Created a full-stack marketplace web app that connects people selling services with people hiring for those services using React, Redux, Node JS, Express, Postgres, Sequelize, and Socket IO
- Created a React Native app that delivers audio content from a meditation teacher
- Developed and maintained websites and eCommerce solutions for small businesses and professionals with a variety of technologies

Education

Fullstack Academy - Software Engineering Bootcamp
Berklee College of Music - B.A. Music Production and Engineering