

Bailey McKelway

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Technology Skills and Training

Javascript(ES7)
Redux
Next.js
Data Structures

Typescript
React
Git
Algorithm Design and Analysis

Python
Node.js
Postgres
System Design

Certifications:

CS50 - HarvardX

AWS Cloud Practitioner

Dante Level 3 - Audinate

AV Technologist - AVIXA

Projects

Mediaedits.io

Fullstack *Engineer*

- Application utilizing WebAssembly that allows users to process and edit media files.
 - Built using Next.js which renders server side, allowing for better SEO to drive traffic from Search.
- Technologies: Next.js, React, ffmpeg, WASM

[Link to Github](#)

Toy Browser

Software *Engineer*

- A toy browser built using Python that is able to fetch, parse and render a webpage.
- Built an HTTP-Client that handles parsing a URL and connects to host to receive site data.
- Built HTML parser that sorts and layouts the HTML data into a readable format.

Technologies: Python

[Link to Github](#)

Open Source Project: MediaWiki subsidiary of Wikipedia

2020 - 2021

Front-End *Engineer*

- Focusing on the Wiki Education branch, which connects 500+ universities to Wikipedia
- Building front-end components in React including an auto scrolling feature with smart positioning.
- Networking with other contributors remotely to determine best plan of action for finding technical solutions.
- Writing documentation and articles to inform users of new features added to the site.

Technologies: React, Ruby, Redux, Babel, Webpack, MySQL

[Link to Article](#) | [Link to Github](#)

Professional Experience

VEED.IO

Senior Javascript *Engineer* – Contract

April 15, 2021 - Current

- VEED.IO allows users to create stunning videos and add subtitles on an editor that is hosted completely online. With 50,000 users daily, VEED.IO is one of the most successful online editors today.
- Building user facing full-stack features using React, Node.js, Styled Components and Postgres.
- Built “Brand Kit” feature for Pro members, which allows users to upload media files to use in their projects.
- Built “Deleted Projects” feature that handles all deleted projects and folders from a user’s workspace.
- Built a “Recorded Projects” feature that stores projects created with Veed’s webcam recorder.
- Built out email service to handle invoices for user subscriptions using Stripe’s API.

Technologies: Typescript, React, Node.js, Next.js, Postgres, Styled Components, Jest

Live Sound Engineer

Front of House *Engineer* / *System Designer* – New York, NY

2015 - 2020

- Acted as Audio and Video Lead for events at venues to ensure acts receive all technical support needed, some shows including The Jonas Brothers and a showcase for Gucci w/ Mark Ronson.
- Undertook a review of acoustical conditions using SMAART to optimize sound quality and levels.
- Built LAN using Dante (UDP) to improve system design scalability improving on the older analog routing.
- Automated various tasks by programming OSC and MIDI scripts to create an easier workflow.
- Installed a new wireless comm system, FreeSpeak II, with digital routing and improved audio quality.

Education

Associate in General Engineering with Honors - Northern Virginia Comm. College - Annandale, VA Spring 2022