

# Charles Carroll

## Software Engineer

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### TECHNICAL SKILLS

JavaScript, Python, React, Redux, HTML, CSS, Express, PostgreSQL, Node.js, S3, IAM, Git, GitHub, Visual Studio Code, Slack

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### PROJECTS

#### Sound Voyage

[Live](#) | [GitHub Repo](#)

Sound Voyage is an application for those who need to find new music not influenced by pop culture.

- Constructed dynamic forms using React and redux to allow users to upload albums with a custom number of songs.
- Implemented a system for users to upload mp3 files that get stored in an AWS S3 bucket with a UUID so that files uploaded can't be overwritten.
- Integrated React H5 Audio Player to allow users to listen to mp3 files uploaded by all users.
- Built a backend API with Express so users can create and manipulate data in the Postgres database.

#### Purrfolio

[Live](#) | [GitHub Repo](#)

Purrfolio is an original stock paper trading website that utilizes real top 100 US stock data using Alpaca API.

- Curated custom candlestick charts using Apex Charts on the front-end that took in relevant data so that said data could be easily visualized by all users that are logged in.
  - Invoked a custom third-party API call to fetch up-to-date stock history data that allowed users to see current stock history.
  - Produced a custom user watchlist using a React and Redux front end to make it so the user could seamlessly create and switch between watchlists and edit and delete them so that they could keep track of the stocks they are interested in.
  - Assembled multiple pages using CSS to follow the wireframe and build the website theme.
  - Collaborated in a team setting by using git feature branches and working with our scrum master to best set up the team for the application's success.
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### WORK EXPERIENCE

#### Stage Hand | Generations A/V in Houston TX

Oct 2022 – Present

- Collaborated with a specially trained team of people to support unique client needs surrounding the setup and breakdown of concerts, performances, and other A/V-supported events.
- Performed this work according to precisely dictated documentation and instructions both written and verbal to protect equipment, optimize procedures, and prioritize safety.

#### Server | ACME Oyster House in Houston TX

Jun 2021 – Aug 2023

- I shucked oysters to order for customers to enjoy all while following food safety standards to prevent illness in our customers.
  - While shucking oysters I was also responsible for taking orders and interacting with guests on a day-to-day basis.
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### EDUCATION

Certificate in Software Engineering

App Academy – 2023