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

PROJECTS

Sound Voyage (Javascript, Express, Node.js, PostgreSQL, IAM, S3, React, Redux)   **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 in the front end to securely upload MP3 files using AWS IAM and S3 buckets with UUID generation so that uploaded files can't be overwritten..
- Integrated React H5 Audio Player to allow users to listen to mp3 files uploaded by other users seamlessly.
- Built a backend API with Express so users can create and manipulate data in the Postgres database.

Purrfolio (Javascript, Python, Flask, SQLAlchemy, React, Redux)   **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 to allow users to have an interactive way to view data.
- 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 allow users to easily manage and track their favorite stocks.
- Assembled multiple pages using CSS to follow a wireframe and build upon the website's theme allowing a cohesive user expirenece.
- Collaborated with a team using Git for version control and adhered to Agile methodology under a Scrum Master to ensure efficient website development.

WORK EXPERIENCE

Stage Hand | Generations A/V in Houston TX   **Oct 2022 – Present**

- Collaborated with team of stage managers to support lighting, sound systems and props, including A/V system set up to successfully produce 46 performances and private events/year of audiences ranging from 200 - 5000 people.
- Contributed to timely set-up and breakdown of events on large stages according to precisely dictated documentation and instructions successfully protecting equipment, optimizing procedures, and prioritizing safety.

Server | ACME Oyster House in Houston TX   **Jun 2021 – Aug 2023**

- Prepared 1000+ oysters for 500+ customers weekly, following food safety standards, and offering excellent customer service through proactive communication.

EDUCATION

Certificate in Software Engineering   App Academy – 2023