

CORNELL BETHEA JR.

Software Engineer

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SKILLS

React, Ruby, Ruby on Rails, Javascript, HTML, CSS, SQL, MongoDB, Express.js, Node.js, Redux, PostgreSQL, HTML5, AWS, S3, JSON, Final Cut Pro

PROJECTS

Steakbook (Rails, ReactJS, PostgreSQL, Redux)

[live](#) | [github](#)

Steakbook is a pixel perfect clone of the web application Opentable.com, that's strictly catered to the best steakhouse restaurants.

- Designed and implemented a suite of highly efficient RESTful routes in a Rails API backend, enabling seamless data fetching from the connected PostgreSQL database. This optimization resulted in a 50% reduction in data retrieval time, significantly improving the React frontend's responsiveness and user experience.
- Utilized a conditional query string on the backend to implement the restaurant search functionality, allowing efficient retrieval of all or specific restaurants based on user requests.
- Employed CSS frameworks and custom stylesheets with attention to typography, color schemes, and layouts to create a cohesive and aesthetically-pleasing UI across all components.

WeUnion (MongoDB, ExpressJS, ReactJS, NodeJS)

[live](#) | [github](#)

A revolutionary application that empowers individuals to quickly build alliances and take action against violations of their rights.

- Collaborated with a team of 4 engineers as the backend lead while utilizing the git feature branch workflow to minimize conflicts and deploy an application within a 3-week timeframe.
- Leveraged key references in the backend to establish Mongoose model associations with robust validations, providing a secure, reliable, and accurate voting system for users of the platform.

CHROMATICA (Javascript, HTML)

[live](#) | [github](#)

Chromatica is a web application that allows users to upload and manipulate videos using various effects and functionalities.

- Implemented JavaScript-based playback control features, including speed adjustment, enhancing user control over video playback.
- Designed a brightness effect using HTML5 Canvas and JavaScript, allowing users to adjust the brightness or darkness of their videos using an intuitive slider control.
- Created a preview screen using HTML5 Canvas to display the effects applied to the main video before finalizing them.

EXPERIENCE

Owner Operator | Director J LLC

Oct 2020 - Feb 2023

- Directed and edited music videos for over 300 clients, collaborating with musicians, record labels, and other entertainment industry officials.
- Managed the video production process from start to finish, this entails providing treatments/concepts, filming, lighting, editing, time management, and final delivery, ensuring a smooth and timely completion and within the provided budget.
- Utilized an industry standard-editing software, such as Final Cut Pro, to implement various technical skills. Skills like color grading, importing and using effects/transitions, video and audio alignment, and many more.

Software Engineer | Nosco Solutions

Aug 2022 - Present

- Developing and deploying customer-facing web applications for small to medium businesses, exceeding client expectations.
- Utilizing modern frontend engineering technologies, such as HTML, CSS and JavaScript to create interactive features.
- Staying up to date with latest web development trends, tools, and frameworks, continuously improving skills.

EDUCATION

Full-Stack Development - App Academy | Fall 2022

BA Business Management - Winston Salem State University of New York | 2014 - 2019