

CORNELL BETHEA JR.

Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

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.

- Developed RESTful routes in a Rails API backend to allow for efficient and conventional data fetching from the connected PostgreSQL database, serving JSON data to the React frontend.
- 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.

Sr. Staff Group Coordinator | *Riverdale Kingsbridge Academy*

Oct 2016 - Dec 2016

- Responsible for large groups of students, 25 or more, ensuring their safety and wellbeing while creating a fun and engaging learning environment.
- Collaborated with colleagues to develop, schedule, and implement educational programming that aligned with the center's mission and goals.
- Demonstrated strong leadership skills by effectively managing staff, resources, and budgets to achieve program goals and objectives.

EDUCATION

Full-Stack Development - *App Academy* | Fall 2022

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