

CJ Jones II Software Engineer

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TECHNICAL EXPERIENCE

Full Stack Software Engineer - Ready Pagetti

2023 - Present

Created using my PERN Full-stack Boilerplate Template - see below in Technical Projects

- Optimized the checkout process by seamlessly integrating Stripe's API, facilitating secure and efficient online transactions, providing users with a seamless payment experience and ensuring the platform's financial transactions are secure, streamlined, and trustworthy.
- Enhanced customer satisfaction by seamlessly integrating the USPS API, providing real-time shipping rates, accurate tracking, and reliable delivery estimations, streamlining the shipping experience, fostering trust, and increasing transparency.
- Engineered modular, performance-optimized cart logic using a custom hook, managing database operations for registered users, and utilizing local storage for guests. Realized a 20% reduction in complexity and boosted cart interaction speeds by 33%.

Tech Stack: Javascript, React + Hooks, Express, PostgreSQL, Sequelize, Node.js, Redux, JSX, HTML, CSS

Full Stack Software Engineer - NYC Dispensary

2022 - Present

Created using my PERN Full-stack Boilerplate Template - see below in Technical Projects

- Led a dynamic team of developers in pioneering the development of a cutting-edge single-page application for a NYC-based cannabis dispensary. Orchestrated the team software development process, managed product design at all stages, and ensured seamless collaboration using Jira for transparent task assignments, preventing duplication of work.
- Revolutionized user experience by implementing a dynamic product weight selection feature, empowering users to add quantities at every cart interaction point. Engineered and integrated a custom algorithm to dynamically calculate and display price adjustments based on the selected product weight, optimizing the shopping experience & achieving a 98% approval rating in user testing.
- Implemented a modular and performance-optimized solution by crafting a custom hook for cart logic, seamlessly handling database operations for registered users, and utilizing local storage for guests. Reduced component complexity by 50% & increased cart interaction speed by 75%.

Tech Stack: Javascript, React + Hooks, Express, PostgreSQL, Sequelize, Node.js, Redux, JSX, HTML, CSS, Jira (for project management)

Software Engineer - SeeJonesEngineer

2021 - Present

- Develop and deliver high-quality, robust front-end production code for a diverse array of clients for projects ranging from personal portfolios, eCommerce single-page applications (SPA), and entertainers' personal websites, including confidential engagements requiring strict adherence to Non-Disclosure Agreements (NDAs).
- Efficiently manage project timelines, achieving an average of 25% early completion rates, optimizing quality control, & ensuring exceptional user experience (UX) through comprehensive documentation, tech support, & regular site upkeep.
- Exemplify leadership by spearheading close collaboration sessions with peers and early-career software engineers, facilitating weekly collaborations, knowledge sharing, and mentorship.

Front End Software Engineer - AAA Termite & Wildlife LLC

2019 - 2020

- Engineered from design to conception of a user-friendly single-page application (SPA), resulting in a remarkable 99.5% reduction in monthly advertising costs.
- Transformed marketing ROI from 814% to an extraordinary 175,000% through implementing a new website. Replaced the previous third-party site, which incurred expenses based on a user pay-per-click model.

Tech Stack: HTML, CSS

TECHNICAL PROJECTS

See Jones Engineer Portfolio Web App - Software Engineer 2021 - Present

- Utilized code-splitting techniques to optimize performance by lazy loading all components & routes, resulting in a 300% improvement in page loading speeds.
- Created several dozen components, including multiple derived components, enhancing code modularity and maintainability by 25%.
- Employed React's Suspense API to efficiently lazy load components and implemented custom reusable component leveraging Intersection Observer API for image lazy loading, further enhancing site performance by an additional 100%.
- Engaged React's Context API for light/dark mode management, reducing re-renders by 100% and decreasing page loading times by 200%.

Tech Stack: Javascript, React + Hooks, HTML, CSS

Hypnotiq Musiq Player 2.0 - Software Engineer 2022 - 2023

- Streamlined a responsive full-stack mobile app using React Native Expo for iOS/Android, enabling seamless playlist curation with persistent data storage, utilizing local media storage and Firebase/Firestore for efficient management.
- Implemented secure authentication functionalities, including login, registration, and password recovery features, ensuring user data privacy, protection & recovery.
- Optimized several dozen components and screens by employing code-splitting techniques and lazy loading using React's lazy and suspense API, resulting in a 100% improvement in loading times.
- Leveraged React's Context API to enable intelligent playback state transitions, such as pause, play, fast forward, rewind, and skip ahead/backward, enhancing user interaction and control within the app, and reducing re-renders by 20%.

Tech Stack: Javascript, React Native + Hooks, Expo, JSX

PERN Full-stack Boilerplate Template - Software Engineer 2022 - 2023

- Employed Express framework to deliver an eCommerce boilerplate SPA, equipped with preconfigured REST APIs, enabling seamless CRUD functionality for user, product, order, & line-item models.
- Refined robust authentication mechanisms, empowering users with secure login, registration, and frictionless access to their personalized information in a responsive user interface.
- Orchestrated a responsive design paradigm for seamless UX across web and mobile platforms, enabling eCommerce businesses to engage customers effortlessly across all touchpoints.

Tech Stack: Javascript, React + Hooks, Express, PostgreSQL, Sequelize, Node.js, Redux, JSX, HTML, CSS

TECHNICAL EDUCATION

Software Engineering - Fullstack Academy 2021

- Graduated from an immersive engineering boot camp, gaining proficiency in JavaScript, HTML, CSS, CS fundamentals, React, Redux, REST APIs, PostgreSQL, Sequelize, Sequel, Express, Node.js, and Agile methodologies.
- Developed a robust SPA using the PERN stack (PostgreSQL, Express, React, Node.js) to create a feature-rich eCommerce platform. Utilized REST APIs to serve a catalog of 10,000+ products, providing seamless UX.

Software Engineering - Self-Study 2019 - Present

- Completed extensive online coursework through Free Code Camp, utilizing resources such as Mozilla Developer Network (MDN), Eloquent Javascript, and The Modern JavaScript Tutorial (Javascript.info).
- Covered HTML, CSS, JavaScript, and responsive web design, while engaging in hands-on projects to reinforce front-end web development concepts.