

CJ Jones II Software Engineer

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TECHNICAL EXPERIENCE

Freelance/Self-Employed - Software Engineer

2020 - Present

- Engineering 4 customized eCommerce platforms for various industries using a self-designed eCommerce boilerplate tailored to meet each client's specific branding and design criteria while adhering to Non-Disclosure Agreements (NDAs). These platforms support both B2B and B2C interactions.
- Consistently achieve early project completion, surpassing timelines by an average of 25%, ensuring exceptional user experience (UX) through comprehensive documentation, tech support, and regular site upkeep.
- Maintain a client feedback system to establish effective Customer Relationship Management (CRM), enabling proactive client engagement and fostering loyalty through responsive service and feedback implementation.
- Execute numerous contracts encompassing published and unpublished work across a diverse array of projects and industries.
- Exemplify leadership by spearheading close collaboration sessions with peers and early-career software engineers, facilitating weekly collaborations, knowledge sharing, and mentorship.

AAA Termite & Wildlife - Front End Software Engineer

2019 - 2020

- Engineered from design to conception of a user-friendly single-page application (SPA), reducing monthly advertising costs by over 99%.
- Transformed marketing ROI significantly by implementing a new website, replacing the previous third-party pay-per-click model. This change eliminated substantial expenses generated by end users, reducing monthly costs to minimal hosting fees and benefiting more than two dozen business offices.

Tech Stack: Javascript, HTML, CSS

LEADERSHIP EXPERIENCE

AAA Termite & Wildlife - Operations Manager

2017 - 2020

- Devised & implemented an innovative logistics system in Q2 2017, boosting productivity by 102%.
- Introduced a streamlined proposal and invoice system, doubling customer proposal acceptance rates, and resulting in a weekly gross income increase ranging from 200% to 325%.

AAA Termite & Wildlife - Office Manager

2015 - 2016

- Initiated and managed a comprehensive document management system, resulting in a 42% reduction in paperwork errors and improved record-keeping.
- Created a CRM feedback system in Q1 2016, increasing positive customer reviews by 21%.
- Implemented cost-effective procurement strategies in Q3 2015, reducing expenses by 32% while maintaining service quality.

AAA Termite & Wildlife - Administrative Data Analyst

2014 - 2015

- Scheduled appointments with precision and timeliness, reducing missed appointments by 33%.

Toys "R" Us - Store Manager

2013 - 2015

- Streamlined store operations by introducing efficient scheduling and task management systems, reducing labor costs by 10% while maintaining high service standards.
- Analyzed weekly sales reports to identify trends and areas for improvement, implementing strategic merchandising and promotional tactics that led to a 22% increase in weekly sales.
- Monitored store performance metrics and provided actionable insights to improve productivity and sales, achieving a 20% increase in key performance indicators (KPIs).

Toys "R" Us - Assistant Store Manager

2012 - 2013

- Implemented loss prevention strategies and conducted regular audits, reducing shrinkage by 15% and ensuring compliance with company policies.
- Developed and maintained strong relationships with vendors, negotiating favorable terms and ensuring timely deliveries, which improved stock variety and availability.

TECHNICAL PROJECTS

IYKYK (If You Know, You Know) Trivia Quiz Game - Software Engineer 2022 - Present

- Aggregated trivia questions and answers from external APIs, transforming JSON data into a structured game format and enabling users to select their preferred quiz category and type (multiple choice, true/false).
- Implemented code splitting and lazy loading using React's Suspense API for routes and components, and designed a custom lazy-loading image component using the Intersection Observer API.
- Incorporated accessibility features aligned with WCAG guidelines, including alt text for images/videos, high color contrast, consistent and intuitive navigation, dynamic light/dark modes, and support for resizable text.

Tech Stack: Typescript, React + Hooks, HTML, CSS, Three.js

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, Firebase/Firestore

TECHNICAL EDUCATION

Fullstack Academy - Software Engineering 2021

- Graduated from an immersive engineering boot camp, gaining proficiency in JavaScript, HTML, CSS, Computer Science 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.

EDUCATION

North Carolina Central University 2006 - 2008

Mechanical Engineering & Physics - incomplete

- Relevant coursework: Calculus, Economics, Physics, Statistics.
- Acquired skills: Analytical problem-solving, strong foundation in engineering principles, mathematics, and physics concepts, data analysis, and quantitative analysis.

A.R. Johnson Health Science & Engineering Magnet High School 2002 - 2006

Engineering, Dual Seal - HS Diploma

- Relevant coursework: Pre-Calculus, Calculus, Computer Science, Economics, Physics, Statistics, Drafting & Design.
- Acquired skills: Analytical problem-solving, introduction to engineering principles and physics concepts, data analysis, quantitative analysis, proficiency in AutoCAD & 3D Modeling/Rendering software.