

STEVEN LEE

SENIOR FULLSTACK ENGINEER

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SUMMARY

Dedicated Senior Fullstack Engineer with over 10 years of comprehensive experience in designing, implementing, and maintaining innovative web solutions. Proficient in a wide range of programming languages and frameworks, like JS/TS and the related libraries, and cloud services, like AWS and GCP. Adept at leading teams to deliver high-quality projects within deadline-driven environments, with a strong emphasis on user-centric design and seamless functionality. Proven track record of successful project management, and fostering collaborative relationships. Seeking to leverage expertise in enhancing user experiences and driving impactful digital solutions.

EXPERIENCE

June 2021 - March 2024

Senior Software Engineer, Paramount

- Pioneered the architectural design and development of a cutting-edge, scalable dashboard interface leveraging React, React Native, Next.js, and TypeScript to effortlessly handle intricate data sets for millions of global users. This included seamlessly integrating features such as badge collections, event details, and transaction histories, optimizing token issuance and display mechanisms.
- Orchestrated the conception and implementation of a feature-rich React Native mobile application, empowering users to seamlessly claim NFTs, explore upcoming events, and foster connections with fellow collectors. This initiative resulted in an outstanding 4.7-star average rating and over 100k downloads, marking a substantial expansion of the Paramount user community.
- Utilized Docker to architect, manage, and deploy containerized environments for microservices, establishing a robust foundation for scalable applications. Employed testing libraries for comprehensive debugging and testing, ensuring seamless operations.
- Engineered and successfully launched a highly scalable microservices architecture utilizing Node.js and MongoDB on ECS. This architecture facilitated the delivery of robust RESTful APIs and GraphQL endpoints, optimizing data access, implementing comprehensive logging, and fortifying error handling mechanisms. The outcome was a remarkable 50% enhancement in system performance and reliability, setting new benchmarks for efficiency and scalability.
- Implemented Single Sign-On (SSO) and OAuth 2.0 protocols, leveraging Google authentication services to establish centralized authentication across microservices. Additionally, developed a user-friendly Paramount API to seamlessly generate and verify Paramount, further enhancing security and user accessibility.
- Conducted rigorous code reviews and provided mentorship to junior developers, fostering a culture of continuous learning and improvement within the frontend team. Actively contributed to skill development, ensuring the team's proficiency in cutting-edge frontend technologies and methodologies.

May 2018 - May 2021

Senior Full Stack Engineer, STUDIO 71

- Spearheaded the comprehensive redesign of STUDIO 71 booking interface, transforming it into a streamlined single-page application (SPA) that seamlessly integrates React, Redux, TailwindCSS, and React Native. Implemented real-time availability checks, enhancing the user experience and simplifying the booking process for customers.
- Pioneered the integration of React Native into STUDIO 71 platform, resulting in a remarkable 30% increase in mobile app downloads and a stellar 4.9-star average app store rating. This initiative played a pivotal role in expanding the platform's mobile presence and user satisfaction.
- Optimized image loading and rendering speed by an impressive 60%, employing advanced industry techniques such as lazy loading, smart caching strategies, and CDN optimization. Ensured rapid and efficient data delivery, contributing to a significant improvement in overall performance.
- Engineered and optimized a production-ready GraphQL API in Node.js using Apollo Server and Express. Integrated multiple data sources, providing comprehensive documentation, and achieved a noteworthy 40% decrease in server costs and a remarkable 60% improvement in data reliability.
- Implemented automated testing using Jest and Enzyme to guarantee the reliability and stability of frontend components and features. Applied best practices in testing methodologies to ensure the robustness of the entire system, showcasing a commitment to delivering high-quality, dependable software solutions.

October 2015 – May 2018

Full Stack Engineer, Defy Media

- Spearheaded the development and seamless integration of pivotal features within the Rho finance platform, harnessing the power of React, React Native and Node.js. This initiative yielded remarkable results, including a 40% surge in user engagement and a significant 25% increase in customer retention, solidifying Defy's position in the market.
- Elevated user interaction by implementing cutting-edge components such as virtualized lists, QR code integrations, virtual cards, statistic charts, and an intuitive card management interface, leveraging MUI and D3.js. These enhancements greatly enhanced the platform's usability and visual appeal, fostering a more immersive user experience.
- Designed and implemented robust API endpoints using Express.js, catering to diverse functionalities such as transaction handling, authentication/authorization protocols, and notifications. This meticulous approach ensured seamless communication between different components of the platform, enhancing its overall efficiency and reliability.
- Architected and executed the implementation of critical API endpoints in Node.js, facilitating secure transaction handling, advanced authentication/authorization protocols, and timely notifications. This strategic initiative led to a commendable 20%

reduction in support tickets, underscoring the platform's enhanced stability and user satisfaction.

- Optimized performance by refactoring code dealing with large datasets, implementing efficient rendering techniques on the UI, and minimizing HTTP requests by an impressive 80%. This optimization significantly improved the platform's responsiveness and scalability, ensuring a smoother user experience even under heavy loads.

EDUCATION

2011 - 2015

University of Hawaii

Bachelor of Science in Computer Science

SKILLS

- React.js
- Next.js
- Gatsby.js
- Redux
- JavaScript
- Typescript
- Electron
- Node.js
- Express.js
- Nest.js
- GraphQL
- MongoDB
- MySQL
- PostgreSQL
- React Native
- Jest
- Cypress
- Sass
- Bootstrap
- MUI
- Tailwind CSS
- PHP
- Python
- C#
- Git
- AWS services (S3, Lambda, SNS...)
- Firebase
- GCP
- CI/CD(Github Actions)
- Docker