

Calvin Lieu

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SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML, CSS

Technologies & Tools: React, React Native, Next.js, Node.js, Redux, Express.js, Firebase, AWS S3, Vercel

EXPERIENCE

Lead Full Stack Engineer

Fastbreak AI

Nov 2024 - Present

- Released and optimized scalable Next.js applications, leveraging server-side rendering (SSR) and static generation (SSG) to improve SEO and load times, leading to a 30% increase in user traffic.
- Engineered a scalable, reusable React component library with TypeScript, enforcing strict type safety and linting standards to boost UI consistency, accelerate development, and cut front-end bugs by 25%.
- Conceptualized a robust testing framework incorporating unit, integration, and end-to-end tests, resulting in a 22% decrease in critical bugs and faster onboarding for junior engineers.
- Delivered a set of 30+ recyclable React Native UI modules, minimizing feature engineering hours by 20% and amplifying code upkeep, validated at the end of the quarter.
- Modernized RESTful APIs with Node.js and Express.js, improving web performance and trimming latency by 30%, enhancing overall application responsiveness for improved user experience.
- Transformed Figma prototypes into interactive React components, building a bridge between UI/UX and engineering, and enabling 100+ UI updates, demonstrating commitment to product enhancement.
- Launched AWS S3 for secure file storage, achieving a 60% reduction in data access latency and a 45% decrease in storage costs by removing unused files, enhancing scalability.
- Revamped the expense reporting interface with a mobile-first design, leading to a 50% increase in mobile user adoption and a 30% drop in support inquiries regarding report generation.

Full Stack Developer

Fastbreak Connect (Formerly SEQL)

June 2023 - Nov 2024

- Led a team of 3 engineers and mentored 2 interns, optimizing React and Next.js workflows and establishing coding standards that resulted in a 40% reduction in development time.
- Architected a robust state management solution using Redux, leveraging best software design patterns, resulting in a 35% decrease in bug reports and a more predictable user interface for applications.
- Forged intuitive and responsive user interfaces employing React and TypeScript, which captured 5,000+ new user sign-ups within the initial month of launch, and boosted user engagement by 20%.
- Enhanced application performance using strategic code optimization, resulting in 35% faster page load times and directly addressing findings to fix the three most significant causes of crashes.

Software Engineer

Upwork

September 2022 - June 2023

- Spearheaded the integration of secure payment gateways into applications, utilizing Node.js and Express.js, facilitating seamless and compliant payment processing with a 30% faster transaction speed.
- Designed and implemented secure and scalable API endpoints using Express.js and middleware architecture for an expense management system, resulting in a 20% reduction in API latency and improved data security.

EDUCATION

App Academy

Software Engineering Coding Bootcamp

San Francisco, CA

2022

San Francisco State University

Bachelor of Science, Kinesiology

San Francisco, CA

2020