Spencer Lee

Frontend Engineer | spencerjlee.com

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Technical Skills

Strong: JavaScript (ES6+), TypeScript, React, Next.js, Redux, TanStack Query, Ember.js, Golang, SQL, PostgreSQL, RESTful API, Jest, React Testing Library, TailwindCSS, SASS, Styled Components, Bootstrap, Material-UI, HTML5, CSS3, Storybook, Contentful CMS, Metabase, Looker, Figma, Git, Agile, SEO
Experienced: Ruby, React Native, Webpack, NPM, AWS (EC2, S3), Sentry, CircleCI, Vercel

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Experience & Projects

Composer's Journal | *github.com/Spencer-J-Lee/composers-journal*   2025-Present

- Design and develop a music-focused journaling platform supporting rich text, embedded YouTube videos, and interactive music notation, enabling composers to document and revisit creative ideas.
- Design scalable frontend architecture using React, TypeScript, and Next.js (App Router) with TailwindCSS, ensuring a responsive and consistent UI across complex views.
- Build data filtering, infinite scroll, and pagination features for entry and notebook management, improving UX by simulating and enhancing real-world journaling workflows.
- Optimize performance using TanStack Query, implementing server-side rendering, query prefetching, cache hydration, and minimizing request waterfalls to reduce perceived load time.

Personal Website | *spencerjlee.com*   2025

- Designed and deployed a personal portfolio using React, TypeScript, Next.js, TailwindCSS, and tsParticles.
- Configured automated CI/CD workflows and hosting with Vercel for ease of deployment.

Moov Technologies Inc. | *Frontend Engineer*   2022-2024

- Led the end-to-end development of the React component architecture and Golang API for the equipment search page, featuring dynamic, context-aware filters that adapted to user input.
- Improved feature rollout speed by collaborating with head designer to implement a reusable component system using Material-UI, enhancing UI development velocity and alignment with Figma design systems.
- Developed an equipment management service for the marketplace website, streamlining asset tracking and transactions for buyers and sellers through an interactive dashboard.
- Integrated Tive shipment tracking into the settlements page, enabling users to monitor freight metrics such as geolocation, temperature, and illumination in real time.
- Integrated Google Analytics into the marketplace website, enabling data-driven insights into user search behavior, leading to improved sales conversions and enhanced client acquisition strategies.
- Integrated Greenhouse's Job Board API into the public careers page, enabling real-time job posting updates and streamlining HR management of open positions.

Moov Technologies Inc. | *Junior Frontend Engineer*   2020-2022

- Developed and launched the B2B marketplace website from scratch, leveraging Next.js to enhance SEO performance, TypeScript for error resilience and scalability, TailwindCSS for UI development velocity, and structured coding practices for long-term readability and maintainability.
- Enhanced web accessibility to WCAG 2.1 standards, boosting Lighthouse scores by 35%, improving SEO rankings, and mitigating compliance risks.
- Built dynamic data visualizations (graphs, tables, dashboards) using Ember.js, Bootstrap, Metabase, and Looker enabling data-driven sales insights and improving sales performance tracking.
- Integrated Contentful CMS into the marketplace website to enable real-time blog updates, allowing the product team to create and manage posts efficiently without redeployment.

Moov Technologies Inc. | *Software Engineer Intern*   2020

- Developed responsive, cross-device UI using React, JavaScript, and SASS/Styled Components, ensuring compatibility and performance with desktop, tablet, and mobile devices.
- Improved code reliability by writing unit and integration tests with Jest and React Testing Library, increasing test coverage and reducing frontend bugs.

Education

University of California, Davis | Bachelor of Arts, Music Composition   2012-2016