

# Lane Hamilton

## Frontend Software Engineer

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### Technical Skills :

TypeScript • JavaScript (ES6+) • React • Next.js • Redux • Node.js • Express • Material-UI • Tailwind CSS • CSS/ Sass • HTML5  
PostgreSQL/ SQL • Prisma • MDX • Docker • Git/ GitHub • Webpack • UX/ UI • Authentication/ Auth0 • CI/CD • Cypress • Jest

### Experience :

#### Frontend Software Engineer | A2ZPort ( Remote )

August 2023 - July 2025

- Led end-to-end development of a server-side authentication system with Supabase to securely pass JWTs between client and server, leveraging middleware and client-side checks to protect routes and enforce access control for three user types
- Engineered a scalable SSR-friendly Redux Toolkit integration that populates the store on app load, ensuring content consistency and preventing hydration mismatches between server and client renders in Next.js 14
- Improved application performance with the elimination of redundant API calls by converting individual component state from using hooks to a slice based architecture with Redux
- Accelerated the implementation of new Figma designs by developing a comprehensive component system using custom Tailwind configurations with class-variance-authority to ensure consistent styles and easier to use modular elements
- Built multi-step forms by integrating react-hook-form's library for input state management with minimal re-renders coupled with Yup to define specific validation rules and detailed error messages to provide a more comprehensive user experience
- Fostered an open feedback culture and collaborative work environment while aligning developer productivity and growth with company goals by facilitating pair programming and bi-weekly code review sessions among a 4 person developer team
- Worked closely with product stakeholders and upper management in monthly meetings to identify product needs, transforming customer insights into core features that shaped the foundation of the app

#### Freelance Web Designer | RKM Studios ( Remote )

March 2023 - December 2023

#### Office Manager | RKM Studios ( Hybrid )

January 2019 - March 2023

- Created company website from the ground up by using Content Management System capabilities in a cloud-based web development platform to effectively showcase artist work and maximize SEO, resulting in an average of 5 new clients per month
- Employed Microsoft Clarity to analyze user behavior, leveraging heatmaps and session recordings to identify key insights and optimize user experience, leading to a 26% increase in user engagement and a 10% improvement in conversion rates over a 30 day period
- Led the development and implementation of people policies, procedures, and programs, resulting in accelerated payroll processing, streamlined social media asset creation, and increased client engagement

### Technical Projects :

#### Frontend Software Engineer | Interconnected Collective

- Persisted game state and user preferences across browser sessions via the localStorage API to maintain a simplified app architecture without the need for server-side setup or configuration, and increasing return users by 5%
- Wrote GitHub Actions merge workflow to automate the deployment of application to GitHub Pages, providing a cost-effective and straightforward approach to CI/ CD while allowing for future scalability dependent on project's growth
- Customized Webpack configuration with modular asset bundling and optimization, reducing load times and improving performance by targeting specific asset types for efficient processing and delivery
- Configured Material-UI theme with media queries to create a responsive design, improving usability on smaller screens and ensuring a consistent experience across mobile and desktop devices
- Adhered to W3C accessibility standards by including semantic HTML and ARIA roles to provide an inclusive experience for all users

#### Software Engineer | The Burn Book

- Enhanced user experience by integrating TanStack Query for CRUD operations, enabling automatic caching, background fetching, and real-time state synchronization for faster and more responsive interactions
- Built a Node.js/ Express server to efficiently handle HTTP requests using the middleware design pattern and REST-ful architecture to modularize functionality and improve backend code organization for a better developer experience

### Education :

#### Codesmith | Software Engineering Residency

Otterbein University | B.A. Design & Visual Communications • Graduated Cum Laude

### Certifications : AWS Certified Cloud Practitioner