

# Robert Henderson, Senior Full-Stack Software Engineer

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## SUMMARY

Dynamic Full-Stack Engineer with Frontend expertise and over 10 years of experience crafting high-performance web applications. Proficient in technologies such as React, NextJS, and Typescript, with a strong focus on user experience and performance optimization. Successfully led initiatives at a top digital asset marketplace, improving usability and integrating complex features like credit card purchase options. Eager to leverage unique skills and industry insights to drive exceptional user engagement and product success in the next challenging role.

## WORK EXPERIENCE

### **Umbrellx** **Founder, Full-Stack Engineer**

02/2025 - Present  
Fort Collins, CO

- Spearheading the development of a dedicated social media application tailored for the LGBTQ community, addressing the fragmented social media landscape. Currently in pre-alpha testing at [umbrellx.io](https://umbrellx.io).
- Leveraging NextJS, React, and TypeScript, utilizing Supabase for storage and authentication, alongside PostgreSQL for data management and Prisma for ORM and type safety, while implementing TailwindCSS for responsive design.
- Engineered MUX integration for seamless video uploads and streaming, prioritizing performance and user experience for rapid uploads and instant playback.
- Built and continue to enhance a real time messaging product (DMs) within the app with in-app and web push notifications
- Optimizing user experience through performance enhancements with prefetched routes and data, ensuring posts are accessible as they enter the user's viewport.
- Crafted a proprietary algorithm for organizing posts in a visually appealing aspect ratio grid, providing a unique user interaction.
- Designed the application, branding, and user experience personally, employing responsive styling and implemented Progressive Web App (PWA) features with a service worker for notifications before packaging for both Apple and Android platforms.

### **Magic Eden** **L5 Senior Software Engineer, Frontend**

09/2023 - 12/2024  
Remote, US

- Contributed as a Frontend Software Engineer, developing the client-side application for Magic Eden, a digital asset (NFT) marketplace.
- Championed the features enabling users to mint and purchase secondary market digital assets utilizing a credit card.
- Orchestrated a comprehensive profile redesign, allowing for the aggregation of digital assets from multiple blockchains in a consolidated display.
- Developed a user-friendly widget facilitating credit/debit card transactions for cryptocurrency purchases within the Magic Eden app, enhancing wallet top-up processes.
- Collaborated with UX designers to create an innovative crypto wallet that operates solely with an email address, prioritizing security, privacy, and user experience.
- Implemented dynamic Open Graph protocol for social share images during Launchpad mints, allowing for real-time updates to floor price, price, date, and supply information for digital assets.
- Streamlined the performance of intricate grid layouts on collection pages, incorporating infinite scrolling capabilities.
- Diagnosed and resolved production bugs with a focus on user satisfaction, managing deployments occurring at least four times daily.

**Metaplex Studios**  
**Senior Software Engineer,**  
**Full-Stack**

07/2022 - 07/2023  
Remote, US

- Developed Creator Studio, a first-party application on the Solana network, in a dynamic startup setting, utilizing various Metaplex protocols within the rapidly evolving crypto sector.
- Constructed the application utilizing a React/TypeScript/AWS stack, employing Chakra UI for standardized components and styling.
- Adhered to React best practices to enhance client-side rendering and performance efficiency.
- Cooperated with UX designers to ensure that implementations aligned with design expectations and user needs.
- Engineered and constructed GraphQL APIs through AWS Amplify for CRUD operations on web2 databases.
- Utilized the Metaplex SDK for web3 transactions, encompassing processes like NFT minting, Candy Machine creation, and NFT data management (e.g., art reveals).
- Enhanced web3 user experiences by implementing derived signers and optimizing transaction combinations where feasible.

**Salesforce**  
**Software Engineer, LMTS,**  
**Full-Stack**

08/2018 - 07/2022  
San Francisco, CA

- Architected and led the technical implementation of an Employee Service Catalog Builder application, utilizing web components and including a custom drag-and-drop library, state management enhancements, and asynchronous data loading to meet experienced page time SLAs.
- Collaborated with architects to design an effective data model in the role of Frontend Lead.
- Engineered and developed Lightning Web Components adhering to Clean Code principles and modern coding patterns.
- Created Java services facilitating frontend components to access data efficiently.
- Implemented the Builder Design Pattern across both JavaScript and Java to increase code readability and ease testing procedures.
- Developed unit and functional tests employing the Jest framework, along with Java unit testing and Selenium for end-to-end testing.
- Engaged with Product Managers to clarify product requirements while conducting research and prototyping new features.
- Worked alongside Product Managers and UX Designers to ensure mockups emphasized usability and performance.
- Mentored junior engineers through pair programming and comprehensive code reviews.

**Vlocity**  
**Software Engineer, Frontend**

04/2015 - 08/2018  
San Francisco, CA

- Developed customizable cloud software tailored to industry-specific needs on the Salesforce platform.
- Constructed scalable applications using AngularJS on Salesforce, contributing to streamlined internal build processes.
- Led the development of a mobile application featuring responsive web design, lazy loading, and filterable product capabilities.
- Designed and implemented a client-side rules engine utilizing AngularJS, incorporating thorough testing with Jasmine.

**Blue Acorn**  
**UI Developer**

01/2011 - 03/2015  
Charleston, SC

- Executed enterprise-scale responsive e-commerce projects using SASS, JavaScript, PHP, and XML, guided by detailed Photoshop and Sketch designs, with success measured by conversion rates.
- Implemented code using a customized Grunt workflow, ensuring organized development processes.
- Developed applications using structured SASS Partial and pre-compiled jQuery classes for efficiency and clarity.
- Architected and developed features based on client requests while addressing existing bugs promptly.
- Trained onboarding front-end developers in Magento, SASS, JavaScript, and PHP frameworks.

**EDUCATION**

<b>College of Charleston</b> 2006 - 2009	Bachelor of Science, Business Administration	Charleston, SC
<b>Art Institute of Charleston</b> 2009 - 2011	Associate of Arts, Web Design & Interactive Media	Charleston, SC

**SKILLS**

NextJS	React	Typescript
PostgreSQL	Supabase	Prisma
TailwindCSS	AWS	GraphQL
REST API design	Testing	Unit Testing
Firebase	Datadog	Storybook
AngularJS	Java	PHP
SASS/SCSS	UX Design	Code Quality
UI Development	Drag and Drop Interfaces	E-Commerce Development
Design Systems	Performance Optimization	Mobile App Development
Leadership	Mentoring	Collaboration
Problem Solving	Customer Focus and Obsession	Adaptability
Frontend Tooling	Curiosity	Ownership