

# RINA NEWHOUSE

## Frontend Engineer

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Software Developer with 3+ years of experience in React, Next.js, TypeScript, TailwindCSS, and Firebase. Skilled in building responsive apps, API integration, performance optimization, CI/CD, accessibility, and SEO best practices.

## Professional Experience

### Skinstric AI

[Remote](#) | [August 2025 - September 2025](#)

#### Frontend Engineer

- Architected real-time skin analysis platform using OpenAI Vision API and Next.js, building pixel accurate Figma mockups from client screenshots, achieving 98% detection accuracy across diverse skin conditions
- Developed responsive UI with CSS and GSAP animations, implementing dynamic skincare recommendation cards with 60% improved engagement
- Optimized performance using Next.js Server Components and Lottie animations, achieving sub-2-second analysis time for skin condition detection
- Built custom animation system using GSAP timeline for seamless user experience during skin analysis processing, increasing user retention by 40%
- Designed modular component library with CSS for skincare product displays, enabling rapid A/B testing of recommendation layouts
- Implemented efficient image processing pipeline combining OpenAI Vision API with 4D Mini model for enhanced accuracy in skin tone and texture analysis

### Johns Hopkins Hillel

[Baltimore, MD](#) | [July 2024 - Present](#)

#### Frontend Engineer (Contract)

- Architected and developed a full-scale React 19 single-page application to replace a legacy Wix platform, creating a modern, responsive hub for 700+ students and alumni
- Designed modular React component architecture with reusable layouts, custom CSS styling, and optimized rendering for consistency and maintainability
- Integrated Google Calendar, Constant Contact, and EmailJS APIs to automate event management, email marketing, and form submissions
- Implemented semantic HTML, accessibility best practices (WCAG 2.1), and responsive design to ensure performance and usability across all devices
- Deployed through Vercel with GitHub-based version control and automated build previews for streamlined iteration and continuous delivery
- Optimized asset loading, animations, and layout performance, achieving 40% faster perceived load times

## Projects (personal)

### Mapme Clone: [Live Demo](#) | [GitHub Link](#)

*Developed a scalable React and Leaflet-based map tool to replicate Mapme's paid features and deliver a permanent, deployable mapping solution*

- Loaded and visualized 200+ U.S. school markers with dynamic clustering, responsive rendering, and optimized performance
- Implemented CSV ingestion, filtering, and search capabilities to improve navigation across large data sets

### NFT Marketplace: [Live Demo](#) | [GitHub Link](#)

*Re-engineered a mock NFT e-commerce platform using Next.js and React for dynamic asset browsing and API-driven functionality*

- Re-engineered the NFT marketplace using Next.js and React, refactoring legacy Bootstrap/Owl Carousel code to improve performance, readability, and scalability
- Implemented Clerk authentication to enable secure user login and session management, enhancing access control and improving overall user flow

## Technical Skills

**Programming Languages:** TypeScript, JavaScript, HTML, CSS

**Frameworks:** React, Next.js, Node.js, TailwindCSS, Firebase, Redux

**Tools & Platforms:** Vercel, GitHub, Vite, Figma, VSCode, Cursor, Jest, Clerk, Stripe

## Education:

**Full Stack Engineering Institute** | [Certificate](#)

[July 2024 - August 2025](#)

**Degree:** Bachelor of Science, University of Illinois Urbana-Champaign, 3.8 GPA

## Other

**Interests:** UI design & illustration, strength training, Spanish/Portuguese/Hebrew language learning

**References:** Provided upon request