# RINA NEWHOUSE

**Software Engineer**

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Software engineer with 2+ years experience in React, Next.js, TypeScript, and Postgres, building web applications and data-driven tools that bridge complex technical requirements with user needs.

## Professional Experience

**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
- Deployed through Vercel with GitHub version control and automated build previews, achieving 40% faster perceived load times through optimized asset loading and animations

**Skinstric AI**                                                                 **Remote | August 2025 - September 2025**
*Frontend Engineer*
- Built production React application translating pixel-accurate Figma mockups into responsive UI components, integrating skin analysis API to display personalized skincare recommendations
- Developed custom animation system using GSAP timeline and Lottie animations to create seamless loading states and transitions during skin analysis processing
- Optimized component architecture using React best practices, implementing modular CSS-based component library for skincare product displays
- Designed responsive UI enabling rapid A/B testing of recommendation layouts with consistent performance across devices

## Projects (personal)

**Repliable.ai:** *Live Demo* | *GitHub Link*
***Built an workplace communication assistant with Next.js 14 and TypeScript that analyzes messages and generates response suggestions and workplace analyses based on sender behavior patterns***
- Integrated Vercel AI SDK with Claude 3 (Haiku) to evaluate message ambiguity and produce three response options tailored to relationship dynamics and power hierarchies
- Implemented Clerk authentication, Prisma with Postgres for profile management, and message history tracking with pattern analysis

**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, Python, HTML, CSS
**Frameworks:** React, Next.js, Node.js, TailwindCSS, Firebase, Redux, React Native, Expo
**Tools & Platforms:** Vercel, GitHub, Vite, Figma, VSCode, Cursor, Jest, Clerk, Stripe, Supabase

## 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**