David Nix

**Software Developer**

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([**e-portfolio-main-omega.vercel.app**](https://e-portfolio-main-omega.vercel.app/))

**A strategic software engineer with a hands-on background in heavy machinery, now architecting modular React/JS systems with precision and control. Specializes in scoped UI logic, animation sequencing, and hardware-aware optimization. Proficient in React, TypeScript, JavaScript, Node.js, Firebase, GSAP, Next.js, and more. Passionate about building scalable, efficient, and user-friendly applications with recruiter-grade polish, explicit code flow, and future-proof architecture.**

**Professional Experience**

**Skinstric AI** **Remote | September 2024 - December 2025**

***Frontend Engineer***

* Architected real-time skin analysis platform using OpenAI Vision API and Next.js, achieving 98% detection accuracy across diverse skin conditions
* Developed responsive UI with TailwindCSS 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 TailwindCSS 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

**NFT Virtual Membership** **Remote | January 2025 - August 2025**

***Frontend Developer & Product Strategist***

* Architected frontend pipelines for NFT display partners with scoped layout hydration
* Led virtual launch strategy including podcast series and AMA sessions
* Designed feedback systems and onboarding flows for NFT newcomers
* Authored NFT launch playbook and go-to-market strategy
* Scoped and implemented PRD for frontend features aligned with product milestones

**Projects (personal)**

### **💸 Crypto Hub** [**Live Demo**](https://crypto-hub-gray.vercel.app/)| [**GitHub Repository**](https://github.com/DavidNix0323/CryptoHub)

**A real-time cryptocurrency dashboard built for tracking market trends, portfolio performance, and Web3 integration.**

* Built a real-time crypto dashboard with modular UI and CoinGecko API integration
* Scoped Zustand state management for explicit control over data flow and UI triggers
* Designed responsive layout with TailwindCSS and animation polish
* Future-proofed architecture for chart overlays, wallet integration, and AI sentiment modules

**🧠 DeepSeek AI** [**Live Demo**](https://deep-seek-clone-zeta-six.vercel.app/) [**GitHub Repository**](https://github.com/DavidNix0323/DeepSeek-AI)

**A modular AI search interface built with Next.js 15 and Clerk authentication, designed to mimic DeepSeek’s conversational UX. Added OpenRouter as fallback due to unreliability of DeepSeek API.**

* Supports web search and DeepThink for enhanced question answering
* Integrates OpenRouter as fallback due to DeepSeek API instability
* Uses middleware.ts for route protection and session handling via Clerk
* Features dynamic input handling, image upload, and real-time response rendering
* Deployed on Vercel with optimized layout and responsive design

**Technical Skills**

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

**Frameworks:** React, TailwindCSS, Firebase, Supabase, NextJS, Redux, React Query, React Hook Form, Zustand

**Tools & Other platforms:** Netlify, Vercel, GitHub, Vite, Figma, VsCode, Jest, Stripe, React Testing Libraries

**Education:**

**Frontend Simplified | Certificate in Software Engineering June 2024 - January 2025**

Project-based learning in React, JavaScript, and Frontend development. Certified in frontend engineering with hands-on experience building modular, reusable UIs and interactive simulation-driven interfaces. Independently explored backend development through project-based builds using Firebase, NodeJS, MongoDB, and Clerk. Implemented token-based authentication, API routing, and fallback logic to support scalable, real-time interfaces.

**Weatherford College June 2010 - January 2015**

Major: Biology

Minor: Computer Science ·

GPA: 3.6

Built early foundations in systems thinking, logic, and analytical problem-solving

**Other**

**Interests:** (AI, Games, and Technology)

**Referees: Provided upon request**