

# David Nix

## Software Developer

( [linkedin.com/in/david-nix-534350158](https://linkedin.com/in/david-nix-534350158) )

| ( [github.com/DavidNix0323](https://github.com/DavidNix0323) ) | (1-817-629-0250) | ( [davidnix0323@yahoo.com](mailto:davidnix0323@yahoo.com) ) | (Granbury, TX )

( [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 - September 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](#) | [GitHub Repository](#)

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](#) [GitHub Repository](#)

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:

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### 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

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

**Referees:** Provided upon request