

Nicholas A. SanMartin

Frontend Developer

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Professional Experience

Skinstric AI

Remote | September 2024 - December 2024

Frontend Engineer

- Architected real-time skin analysis platform using OpenAI Vision API and Next.js 14, 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 skin care 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

Frontend Simplified

Remote | January 2024 - August 2024

Frontend Developer & Support staff

- Created and led workshops on modern frontend optimization techniques, helping students improve their portfolio project load times by an average of 50%.
- Developed comprehensive learning resources for React component architecture and TypeScript, resulting in 70% of mentored students successfully implementing type-safe applications.
- Initiated weekly pair programming sessions focused on accessibility and SEO best practices, leading to 90% of mentored students achieving WCAG compliance in their projects
- Built and shared reusable component library using ShadCN/UI, reducing development time for student projects by 40% and improving code consistency
- Led study groups on deployment strategies and CI/CD, resulting in 85% of students successfully implementing automated deployment pipelines for their portfolio projects

Handy Pantry

January 2023 - October 2023

Deli Manager

- Managed deli operations, inventory, and cash audits
- Coordinated team tasks for efficient operations

Petco

July 2021 - September 2022

Merchandise Operations Leader

- Provided operational support and customer service
- managed vender relations and supervised deliveries
- Oversaw online order assembly and animal care

Projects

Movie Search Engine:

Created a fully functional search platform for movies

- This project is a React application that displays detailed information about a specific movie and additional related movies. It uses the OMDB API to fetch movie data based on the IMDb ID and a search query from the URL parameters.

(Current project) Discord Clone:

Creating a Discord server that users can interact with.

- The goal for this project is to create a replica of Discord allowing for real-time communication, including features such as messaging, file uploads, and server management.

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:

Full Stack Engineering Institute | Certificate

June 2023 - January 2024

Computer Science 3.9 GPA

Associate in arts | Suffolk County Community College

May 21, 2021