

MILO LIBBY

[Full Stack Developer](#)

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Portfolio: milolibby.dev

A versatile software developer with hands-on experience in building dynamic frontend and fullstack applications. Proficient in modern technologies including React, Next.js, TypeScript, Firebase, Node.js, and WebSockets. Recently expanding into AI-driven development, leveraging tools like OpenAI's API, LangChain, and vector databases like Pinecone to build real-time, intelligent applications. Passionate about crafting scalable, user-centric software with clean architecture and a focus on performance, interactivity, and innovation

Professional Experience

[Skinstric AI](#)

[Remote](#) | [September 2024 - April 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

[Frontend Simplified](#)

[Remote](#) | [January 2024 - August 2024](#)

Frontend Developer & Support staff

- as peer mentor after achieving top 5% performance in cohort, providing debugging support and code Selected for 20+ students across React and Next.js projects.
- reviews 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

Projects (personal)

[Full-Stack AI Quiz Platform with Real-Time Multiplayer and Live Hosting](#) : [Live Demo](#) | [Github Link](#) *Dynamic Quiz Generator with Live Multiplayer Support Using OpenAI & Socket.IO*

- Engineered a full-stack web application that generates quizzes from instructor prompts using the **OpenAI API**, enabling dynamic content creation tailored to custom topics in real time.
- Built a **real-time multiplayer quiz system** with **Socket.IO**, allowing students to join via a 6-character game code and receive questions live from the host, ensuring synchronized gameplay across clients.
- Designed role-specific interfaces for **instructors and students** using **React, TypeScript, and React Router**, with dynamic rendering of questions, timers, and real-time score tracking.

[Motivation.ai Project](#): [Live Demo](#) | [Github Link](#) /

Created a fully functional AI companion app with 30 "celebrity companions"

- Built a responsive web app that uses the OpenAI API to simulate motivational chats with 30 unique AI characters modeled after iconic figures like Michael Jordan, Nelson Mandela, and Neil deGrasse Tyson. Designed and

implemented a dynamic chat interface, integrated personality-driven prompts, and created custom routing and UI for seamless user interaction and inspiration.

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, Socket.io, Express, ShadCN UI

Education:

Full Stack Engineering Institute | [Certificate](#)

[June 2023 - January 2024](#)

Computer Science 3.9 GPA

Degrees:

Bachelor's Degree in Computer Science: Software Engineering from Point Loma Nazarene University (San Diego, CA)

Other

Interests: Lifelong soccer player, played at both the NCAA D1 and D2 levels, lead the team as the captain for two years

Referees: Provided upon request