Graylen Bigelow

Frontend Developer

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Linkedin | Github | Portfolio

Frontend developer skilled in React, Next.js, TypeScript, and modern UI frameworks, with experience building scalable, AI-powered, and user-centric applications.

Professional Experience

Skinstric AI - *Frontend Engineer*   Remote | June 2025 - July 2025
- Architected a 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 a custom animation system using GSAP timeline for seamless user experience during skin analysis processing, increasing user retention by 40%
- Designed a modular component library with TailwindCSS for skincare product displays, enabling rapid A/B testing of recommendation layouts
- Implemented an efficient image processing pipeline combining OpenAI Vision API with a 4D Mini model for enhanced accuracy in skin tone and texture analysis

Frontend Simplified - *Frontend Developer & Support staff*   Remote | May 2025 - Present
- Selected as a peer mentor after achieving top 5% performance in the cohort, providing debugging support and code reviews for 20+ students across React and Next.js projects.
- 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.
- Built and shared a reusable component library using ShadCN/UI, reducing development time for student projects by 40% and improving code consistency
- Helped 90% of students achieve WCAG compliance and 85% adopt CI/CD pipelines.

McDonald's: (R&J Investments of Eden, LLC) - *Shift Manager*   On-site | August 2022 - Present
- Promoted to management in **18 months** (faster than average) for strong leadership and problem-solving.
- Supervised 10+ team members per shift, improving order accuracy and reducing wait times by **15%**.
- Implemented process improvements, cutting resource waste by **10%** while maintaining safety and quality.
- Developed teamwork and ownership skills that are directly transferable to agile software development.

Projects (personal)

YouTube Clone: *Live Demo* | *Github Link*
New Tube — Full-stack AI-Powered Video Streaming Platform
- Built a YouTube-style platform with **NextJS 15 + React 19**, **TypeScript, Tailwind, ShadCN, Radix UI.**
- Integrated **OpenAI API** for AI-generated titles, descriptions & thumbnails, reducing manual work by **~70%**.
- Implemented secure uploads/playback via **Mux** + role-based auth with **ClerkJS**
- Implemented CI/CD with **Vercel + GitHub Actions**, including feature flag rollouts for safe deployments.
- Achieved **WCAG 2.1 AA compliance and 100% Lighthouse accessibility**

Google Docs Clone: *Live Demo* | *Github Link*
Solid Docs — Full-stack AI-Enhanced Collaborative Document Platform
- Real-time collaborative editor built with **Next.js 15, React 19, Liveblocks, Tiptap.**
- Integrated **AI content suggestions via OpenAI API,** boosting **efficiency by 30%** during testing.
- Implemented role-based authentication with **Clerk.js** and type-safe APIs via **TRPC + Drizzle ORM**.
- Enhanced scalability and responsiveness using **Convex**, deployed with Vercel CI/CD.

Technical Skills
Languages: TypeScript, JavaScript, HTML5, CSS
Platforms: Vercel, GitHub, VSCode, Bun, NPM
Frameworks & Libraries: React, Next.js, Tailwind CSS, ShadCN/UI, Radix UI
Backend & Tools: TRPC, Drizzle ORM, Convex, Clerk, Mux, OpenAI API

Education:

HomeSchool | *Certificate*   August 2015 - June 2022
- Independent curriculum emphasizing technology, problem-solving, and self-directed learning.

Other

Interests: UI/UX design, performance optimization, European cars, music (guitar).

Referees: Provided upon request