Graylen Bigelow

**Frontend Developer**

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**Passionate frontend developer focused on building efficient, scalable, and user-centric applications using modern technologies such as React, Next.js, TypeScript, and JavaScript.**

**Professional Experience**

**McDonald’s: (R&J Investments of Eden, LLC)** **On-site | August 2022 - Present**

***Shift Manager:***

* Fast-tracked to management within 18 months by demonstrating leadership, operational problem-solving, and team-building skills.
* Coordinated shift operations focusing on process improvement, resource management, and maintaining high-quality and safety standards.
* Gained critical experience in project ownership, leadership, and real-time problem-solving — foundational skills directly transferable to frontend engineering workflows and team collaboration.

**Skinstric AI** **Remote | June 2025 - July 2025**

***Frontend Engineer***

* 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** **Remote | May 2025 - Present**

***Frontend Developer & Support staff***

* Selected as 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.
* 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 a 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)**

**YouTube Clone:** [***https://new-tube-project.vercel.app***](https://new-tube-project.vercel.app)**|** [***https://github.com/Graylen1019/NewTube-project***](https://github.com/Graylen1019/NewTube-project)

* Engineered a full-stack, YouTube-style video platform using **Next.js 15**, **React 19**, **TypeScript**, and **Tailwind CSS** for a responsive, modern user experience
* Integrated **OpenAI API** to automatically generate video titles, descriptions, and thumbnails with AI-driven content
* Implemented secure video uploads and playback with **Mux**, supporting seamless media handling
* Built role-based authentication and protected routes using **Clerk**
* Developed type-safe, end-to-end API communication with **TRPC** and serverless database operations via **Drizzle ORM** and **Neon/PostgreSQL**
* Deployed on **Vercel** with CI/CD pipelines; utilizing **Bun** to help with React 19 dependency issues.

**Google Docs Clone:** [***https://google-docs-rouge.vercel.app***](https://google-docs-rouge.vercel.app)**|** [***https://github.com/Graylen1019/Google-docs***](https://github.com/Graylen1019/Google-docs)

* Developed an **AI-enhanced** document editing platform with real-time collaboration using **Liveblocks and Tiptap**.
* Integrated **OpenAI API** to enhance user productivity through **AI-generated** document content.
* Built role-based authentication and protected routes with **Clerk.js**.
* Implemented type-safe API communication and serverless database operations using **TRPC and Drizzle ORM**.
* Enhanced scalability and performance with **Convex** and **Vercel deployment**.
* Designed a responsive, accessible UI using **Tailwind CSS** and **Radix UI** for consistent device user experiences.

**Technical Skills**

**Languages: TypeScript, JavaScript, HTML5, CSS**

**Packages & Tools: NPM, Bun, OpenAI API, Vercel, GitHub, VSCode**

**Frameworks & Libraries: React, Next.js, Tailwind CSS, TRPC, Drizzle ORM, Radix UI, Clerk, Mux, Convex**

**Education:**

**HomeSchool |** [***Certificate***](https://drive.google.com/file/d/1s_UhVGGpmXA2xVme2zzSSSpqRE3mZN8Y/view?usp=sharing) **August 2015 - June 2022**

**Other**

**Interests:** European Cars, and music (mainly guitar).

**Referees: Provided upon request**