

MITCHELL LEAHY

Frontend Developer

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Frontend developer specializing in React, Next.js, and TypeScript, with a prior career in industrial automation and precision fabrication, fields where every failure has a root cause worth finding. Builds production applications end to end: architecture, state management, API integration, pixel-accurate UI from design specs, deployment, and post-launch debugging. Creator of Vestige, an AI-powered technical due diligence platform analyzing production codebases for private equity deal teams.

PROFESSIONAL EXPERIENCE

Frontend Developer — Frontend Simplified • Remote | 2025 – 2026

- Developed and shipped Skinstric, an AI skin-analysis application in Next.js and TypeScript: multi-step intake flow with Zustand-persisted state and input validation, 3 REST API integration phases, and live camera capture via the MediaDevices API with a base64 image-upload pipeline
- Identified a camera resource leak in the reference production build (media stream never released on back-navigation), reported it to the engineering team, and implemented proper stream teardown, preventing the webcam from staying live after users left the capture flow
- Delivered pixel-accurate implementation from Figma specifications, including a rotate/counter-rotate CSS diamond navigation system and demographic-prediction results UI with click-to-override category selection; passed formal code review with 0 required revisions, meeting 100% of production-level feature and design-alignment criteria
- Built a responsive NFT marketplace frontend in React: 6-collection hot-collections carousel (Keen Slider, 4 per view), explore page with client-side sorting and load-more pagination, dynamic author routing, skeleton loading states, and Unix-timestamp countdown timers, delivered through 2 merged pull requests, each with a written spec covering task, approach, trade-offs, and test plan

Maintenance Technician — Arctic Glacier • Barstow, CA | 2023 – 2025

- Maintained PLC-controlled automated production equipment in a 24/7 high-throughput manufacturing environment, protecting production output by diagnosing and resolving electrical, controls, and mechanical faults independently under time-critical conditions
- Interfaced with HMIs and control systems to trace failures to root cause rather than symptom, minimizing repeat breakdowns and unplanned downtime

PROJECTS

Vestige • [Live Demo](#) • React • Next.js • TypeScript • GitHub API • Claude API • **In Production**

- AI-powered technical due diligence platform purpose-built for private equity and growth equity deal teams. Analyzes full git commit history, diffs, and PR patterns to surface engineering risks hidden in seller-curated data rooms
- Validated against production open-source codebases, including a ~28,000-star fintech trading terminal; architecture reviewed by a senior engineer
- Confidence-tiered findings (Surface/Strata/Bedrock) with High/Medium/Low risk severity, each cited to specific commit SHAs with linked evidence; bus factor analysis flags key-person concentration risk across contributor history
- Human sign-off layer requires named reviewer validation before any finding reaches a deal team; reviewer identity, timestamp, and written verification logged per finding

SustainRx • [Live Demo](#) • React • TypeScript • Tailwind CSS • Firebase • GitHub OAuth • Claude API

- Original AI-powered codebase analysis product designed and built independently from concept to deployment: GitHub OAuth integration, tech-debt flagging, tiered documentation generation, and PDF report export
- Designed the full product identity, including a medical-metaphor design system and reusable component architecture

Summarist • [Live Demo](#) • Next.js • TypeScript • Tailwind CSS • Firebase • Redux Toolkit • Stripe

- Full-stack book summary platform with Firebase authentication, Firestore data layer, Stripe subscription payments, and Redux Toolkit state management
- Built on the Next.js App Router with SSR, dynamic routing, nested layouts, and route-group architecture with skeleton loading states for perceived performance

TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript, JavaScript (ES6+), React, Next.js (App Router), HTML5, CSS3
- **State & Data:** Redux Toolkit, Zustand, Firebase (Auth & Firestore), Stripe, REST APIs, GitHub API, Anthropic Claude API
- **Styling & UI:** Tailwind CSS, Framer Motion, GSAP, responsive design, Figma-to-code implementation
- **Tools & Platforms:** Git, GitHub, Vercel, GitHub Pages, Vite, VS Code, npm
- **Practices:** Component architecture, code review, cross-functional collaboration, agile development, AI-assisted development, root-cause debugging, problem solving, adaptability, written technical communication

EDUCATION

Frontend Development Program, FES Institute

- Project-based curriculum: React, TypeScript, Next.js, Redux Toolkit, Firebase, Stripe; capstone build (Skinstric AI) approved on formal review with 0 required revisions

OTHER

- **Interests:** Pixel art and retro game development, music production, motorcycles, self-hosted homelab
- **References:** Available on request, incl. letters of recommendation from Arctic Glacier management