

MIRABELLE DOIRON

Design Engineer | Design Systems, Web Experiences & AI Tooling

React • TypeScript • Design Systems • Accessibility

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SUMMARY

Design Engineer with 8+ years of experience building scalable product experiences through front-end engineering, design systems, and AI-assisted development.

I work at the intersection of design and engineering, turning interaction design, product requirements, and high-fidelity concepts into accessible, production-ready software. My experience spans customer-facing applications, design systems, AI-powered tooling, and front-end platforms used by millions of users.

Specialized in React, TypeScript, accessibility, component architecture, and AI-native workflows, with a track record of helping teams ship high-quality software faster through reusable systems, strong engineering foundations, and thoughtful user experience design.

CORE SKILLS

FRONT-END DEVELOPMENT: React • TypeScript • JavaScript • HTML • CSS • Tailwind CSS • Next.js • Vite • Node.js • REST APIs

DESIGN SYSTEMS: Component Architecture • Design Tokens • Storybook • Component API Design • Multi-Brand Theming • Design-to-Code Workflows • Rapid Prototyping

ACCESSIBILITY: WCAG 2.1 AA • Semantic HTML • ARIA • Keyboard Navigation • Screen Reader Support • Accessible Component Patterns • Focus Management

AI SYSTEMS: Cursor • Claude • LLM APIs • AI-Assisted Development • AI Product Prototyping • RAG Systems • Internal Developer Tooling

UX & INTERACTION DESIGN: Interaction Design • Micro-Interactions • Responsive Design • Framer Motion • Web Performance (Core Web Vitals, Server Components)

EXPERIENCE

INDEED | UX Engineer, Design Systems | July 2021 – July 2025

- Built and shipped React component APIs and design token systems for a 50+ component design system supporting products used by more than 12 million monthly users
- Delivered reusable front-end foundations that enabled consistent product experiences across multiple applications and teams
- Built accessible component patterns and implementation standards that improved WCAG 2.1 AA compliance from 78% to 96%
- Reduced component delivery time from 3 days to less than 4 hours through internal tooling, automation, and code generation workflows
- Increased test coverage from 45% to 87% through TypeScript modernization and testing improvements, reducing production defects by 60%
- Built an AI-powered RAG documentation assistant indexing 500+ component documents, reducing support requests by 40%
- Partnered with designers, engineers, and product teams to transform complex requirements into scalable, production-ready user experiences
- Established reusable engineering workflows and contribution patterns that accelerated design system adoption across multiple teams

OSEA MALIBU | AI Integration Specialist (Contract) | March 2025 – January 2026

- Designed and implemented AI-powered workflows supporting more than 200 product content experiences
- Built internal AI tools that transformed manual content processes into scalable, production-ready workflows
- Rapidly prototyped and shipped AI-enabled solutions that reduced content production time by 60%
- Collaborated with stakeholders to validate concepts, improve usability, and

operationalize AI-driven experiences

- Delivered production launches with zero failed deployments while improving efficiency and consistency across content operations

AAA | UX Developer / Design Engineer | April 2017 – June 2021

- Built modular front-end systems supporting customer-facing digital experiences used by more than 8 million users
 - Developed landing pages, reusable UI patterns, and product experiences that increased click-through rates by 24% and contributed to more than \$2M in annual business impact
 - Established accessibility implementation standards across digital products, reducing compliance violations by 85%
 - Mentored engineers on accessibility, component architecture, and front-end implementation best practices
 - Partnered with design and product teams to deliver scalable web experiences across multiple digital properties
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PROJECT HIGHLIGHTS

- **AI Documentation Assistant** Built a RAG-powered platform that indexes design system knowledge, implementation guidance, and component documentation to help teams discover information faster + reducing support overhead. **Technologies:** React, TypeScript, Vector Search, AI Workflows

Design Systems & Front-End Platforms

- Built reusable component libraries, design token systems, accessibility standards, and engineering workflows. **Technologies:** React, TypeScript, Storybook, Design Tokens
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EDUCATION & CERTIFICATIONS

- **AI Fluency Certification** – Anthropic – July 2025
- **Associate Degree, Web Design & Development** – MATC – 2009–2012