

MIRABELLE DOIRON

Design Engineer & Technical Implementation | Design Systems, Web Experiences & AI Tooling

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SUMMARY

Design Engineer and Technical Implementation Specialist with 8+ years working in the space between product design, engineering, and operations, turning interaction design and high-fidelity concepts into accessible, production-ready software in React and TypeScript. I build the design systems, frontend platforms, and AI tooling that help teams ship faster, from a 50+ component system serving 12M+ monthly users to internal AI tools that cut delivery time and support load. **What sets me apart is the combination: product design, design systems, frontend engineering, accessibility, AI tooling, and the implementation work that gets teams to actually adopt what I build.**

SKILLS

- **Frontend Development:** React, React Native, TypeScript, JavaScript, Next.js, Vite, Node.js, HTML, CSS, Tailwind CSS, REST APIs, SQL (MySQL, PostgreSQL), JSON, Git
 - **Design Systems & Design Collaboration:** Component Architecture, Design Tokens, Storybook, Component API Design, Multi-Brand Theming, Figma-to-Code, Design Feedback & Iteration in Figma, Versioning & Release Management (npm, Changesets, SemVer)
 - **AI & Developer Tooling:** Claude Code, Cursor, Codex, and more; Model Context Protocol (MCP) Servers, AI Agents, LLM APIs (Anthropic, OpenAI), Prompt Engineering, Retrieval-Augmented Generation (RAG), Figma Plugins, Workflow Automation, Troubleshooting, Internal Developer Tooling, SaaS, CRM
 - **CMS & Content:** Sanity CMS, Headless CMS Architecture, Content Modeling, Editorial Workflows, Technical Documentation & Usage Guidelines Teams Actually Use
 - **Localization & Internationalization:** i18n Architecture, Localization-Ready Component Patterns, Bilingual Site Architecture, Parallel-Language Content Modeling
 - **Interaction & Performance:** Interaction Design, Micro-Interactions, Motion, Framer Motion, Responsive Design, Web Performance, Core Web Vitals
 - **Implementation & Enablement:** Technical Onboarding, Hands-On Training for Non-Technical Users, Workshops & Live Facilitation, Adoption Strategy, Change Management, Stakeholder Alignment, Rollout Planning, Time-to-Value, Measurement (Adoption Rate, Time Savings, Ticket Deflection)
 - **Business Systems & Enterprise Delivery:** Salesforce, Jira Administration, Notion AI, Google Apps Script, Make, Cross-Functional Collaboration, Governance, Regulated Environments
 - **Accessibility & Privacy Compliance:** WCAG 2.1 AA, ARIA, Semantic HTML, Keyboard Navigation, Screen Reader Support, Automated Testing (axe-core), GDPR Privacy Compliance, Cookie Consent Flows
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PROFESSIONAL EXPERIENCE

Senior Web Developer & Headless CMS | Organisme Respire · Remote Canada | 2018 – Present

- Design and build a bilingual, WCAG 2.1 AA-compliant website from concept to deployment
- Architected a headless CMS on Sanity: content models, editorial workflows, and publishing processes that let non-technical authors publish independently
- Built the site's localization structure with parallel-language content models, so the full site publishes in both languages

Senior Frontend Developer (Contract) | 24 Seven Talent · Remote US | Aug 2025 – Dec 2025

- Built React and TypeScript interfaces within a large enterprise application ecosystem for a Fortune 100 insurance client
- Translated Figma designs into reusable, accessible frontend components
- Collaborated with product managers, designers, and engineers to deliver high-quality features

- Participated in code reviews, technical discussions, and continuous improvement of frontend development workflows

AI Implementation Specialist (Contract) | OSEA Malibu · Remote US | Mar 2025 – Dec 2025

- Automated marketing and content workflows by building 5 AI agents, saving 15+ hours weekly across 200+ product content experiences
- Reduced content production time 60% through AI tool development and LLM integration for non-technical teams
- Drove 90% stakeholder adoption in the first month with intuitive AI tools and clear documentation
- Delivered production launches with zero failed deployments

UX Engineer, Design Systems | Indeed · Austin, TX | Jul 2021 – Jul 2025

- Implemented and shipped React/Next.js component APIs and design token systems for a 50+ component design system supporting products used by more than 12 million monthly users, enhancing UI consistency
- Created MCP servers, Figma plugins, and code-generation tooling that cut component build time from 3 days to under 4 hours
- Developed an AI-powered design-system agent and RAG documentation assistant indexing 500+ component docs, reducing support tickets 40%; drove AI-assisted code review that shortened PR cycle time 30%
- Built internationalization (i18n) support into the design system: localization-ready components and patterns serving Indeed's global, multi-language markets
- Streamlined accessible component patterns and standards that improved WCAG 2.1 AA compliance from 78% to 96%, and implemented GDPR privacy compliance and cookie consent flows across consumer-facing products
- Increased test coverage from 45% to 87% through TypeScript modernization, reducing production defects 60%
- Partnered with designers, engineers, and product teams; established contribution patterns that accelerated design-system adoption across multiple teams

UX Developer / Design Engineer | AAA · Santa Ana, CA | Apr 2017 – Jul 2021

- Built modular React front-end systems supporting customer-facing UX used by 8M+ users
- Designed and shipped landing pages and marketing experiences through rapid prototyping, increasing click-through rates 24% and contributing more than \$2M in annual business impact
- Established a11y standards that reduced compliance violations 85% through WCAG 2.1 AA integration, and implemented GDPR privacy compliance and cookie consent flows across high-traffic campaign sites
- Mentored engineers on accessibility, component architecture, and front-end best practices

SELECTED PROJECTS

Interface Intelligence – AI-Powered Design-System Co-Pilot

- **Description:** Design-system co-pilot with tokenized components, tests, and CI; explores how design systems can be composed and extended with AI.
- **Tech:** Next.js, React, TypeScript, Design Tokens
- **Link:** github.com/mirabelledoiron/Interface-Intelligence

AI Documentation Assistant – Full-Stack RAG Documentation Platform

- **Description:** Semantic search, RAG chat, document upload, and analytics over ingested docs.
- **Tech:** React, Go, Retrieval-Augmented Generation (RAG), PostgreSQL, pgvector
- **Link:** github.com/mirabelledoiron/AI-Documentation-Assistant

EDUCATION & CERTIFICATIONS

- Milwaukee Area Technical College (MATC) – Associate Degree, Web Design & Development
- AI Fluency Certification, Anthropic · 2025
- Versioning Certification, Meta · 2024–25