Cai Toy

Design Engineer

26 years · AI Platforms at enterprise scale

caitoy.com
Live showroom
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linkedin.com/in/cai-toy
Lehi, UT (open to remote)

Design engineer, building for the web since 1999. I own the interface and the system under it, design tokens through production React, and I conduct AI agents to build it with the gates in my hands. At Halliburton I lead two enterprise platforms that run this way, one an AI agent fleet that shipped a data-product marketplace to 1,000+ users in worldwide production. Twelve years of enterprise design systems at Henry Schein One came first. Available for part-time, remote contract work.

EXPERIENCE

Halliburton

Oct 2022 – Present

AI Solutions Architect

Lehi, UT (remote)

- Own the experience layer on two enterprise platforms built on an agentic SDLC: AI produces the code; I own the design system, the component library and the human-in-the-loop gates.
- Created design systems from the ground up (tokens → primitives → components) with Storybook trust dashboards and Figma-to-code parity.
- Designed and built the UI/UX for an enterprise data-product marketplace shipped to worldwide internal production: Figma through production React/Next.js.
- Lead architect on the AI Code Generation initiative: one architect conducting an AI agent fleet to design, build and ship production AI solutions.
- Owned and architected Azure-based AI/LLM pipelines for Fortune 500 drilling operations.

Henry Schein One

Jan 2010 – Oct 2022

Senior Software Engineer II → III

American Fork, UT · 12-year tenure

- Held one product's entire visual layer together through three framework eras (Backbone, Bootstrap, then Bulma), so users never saw the migrations.
- Owned and architected enterprise design systems adopted company-wide: component libraries, design tokens, documentation standards.
- Set and maintained accessibility standards (WCAG) and interaction patterns across multiple product lines.
- Led front-end architecture and UX engineering initiatives for scalable, consistent UI.
- Built and maintained AWS WordPress multisite infrastructure supporting 500+ dental and medical practices.

EXPERTISE

Front-end / React, TypeScript, Next.js, Tailwind CSS, Accessibility (WCAG), GSAP / motion, Responsive UI

Design systems / Design tokens, Component libraries, Storybook, Figma → code (Code Connect), Theming & brand systems

AI / agentic / Claude Code (daily), Claude / Anthropic, Gemini, Local LLMs (MLX/vLLM), Multi-agent orchestration, RAG pipelines, Spec-driven AI workflows

Mobile & web / Flutter, Firebase, WordPress, Shopify, E-commerce

Platform / Git / GitHub, Azure, Databricks, REST APIs, Design-to-code workflows

EDUCATION

Bachelor of Arts, Architecture

University of Maryland, College Park, MD

Authorized to work in the US for any employer.