

Cai Toy

Senior Full-Stack & AI Engineer · Single-Developer Agentic Method

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I ship solo what teams ship with many — by conducting a fleet of AI agents under disciplined human-in-the-loop review (the Cai Method). 15+ years shipping at scale. At Halliburton I'm lead/solo developer on the AI Code Generation initiative, where I designed and shipped an enterprise data-product marketplace to worldwide production as a single developer, plus the internal tooling my team builds on. Background spans 12 years of design systems at Henry Schein, AI-first product work through my agency Artasce Creative, and full-stack delivery across React, Vue, Next.js, Flutter, and Firebase.

CORE SKILLS

Front-end	React · Vue · Next.js · TypeScript · Tailwind CSS · GSAP / motion · Responsive & accessible UI
Design systems	Design tokens · Component libraries · Storybook · Figma → code (Code Connect) · Atomic / primitives-up · Theming & brand systems
AI / agentic	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 (AKS/kubectrl) · Databricks · CI/CD · REST APIs · Design-to-code workflows

EXPERIENCE

Halliburton — AI Solutions Architect

Oct 2022 – Present

Lehi, UT (remote)

- Lead / solo developer on the AI Code Generation initiative; manage Azure DevOps CI/CD pipelines automating deployment of AI solutions.
- Owned and architected Azure-based AI/LLM pipelines for Fortune 500 drilling operations.
- Designed and built the UI/UX for an enterprise data-product marketplace shipped to worldwide internal production — Figma through production React/Next.js.
- Created design systems from the ground up (tokens → primitives → components) with Storybook trust dashboards and Figma-to-code parity.
- Pioneered the single-developer agentic method (the Cai Method) — multi-agent orchestration with human-in-the-loop gates.
- Built internal developer tools: a multi-agent lane board, an AI deck generator, and an animated landing-page generator.

Henry Schein One — Senior Software Engineer II → III

Jan 2010 – Oct 2022

American Fork, UT · 12-year tenure

- 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.
- Mentored junior developers; drove adoption of modern front-end and design-system best practices.
- Built and maintained AWS WordPress multisite infrastructure supporting 500+ dental and medical practices.

EDUCATION

Bachelor of Arts, Architecture — University of Maryland, College Park, MD

Authorized to work in the US for any employer.