Andrew Lucieer

Staff Design Technologist | Design Systems + AI-Driven UI Engineering
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SUMMARY

20 years in software engineering, the last 11 bridging design and engineering. Builds design systems, accessible component libraries, and multi-step Claude Code skills that act as prompt-to-component pipelines, mapping LLM output to production UI components.

SKILLS

Front end: HTML, CSS, Sass/SCSS, JavaScript, TypeScript, Angular 21, AngularJS, React.js, Next.js, Web Components, jQuery
Design systems: Design tokens, theming with CSS custom properties, Storybook, Material Design, Figma, Claude Design, prototyping
AI tooling: Claude Code (custom skills), MCP integrations (Figma), prompt pipeline design, Generative AI, GitHub Copilot, OpenAI Codex
Accessibility: WCAG 2.1 AA, WAVE, ARIA, contrast-compliant color tokens
Full stack: Java, Hibernate, JUnit, PHP, MySQL, Oracle, Unix shell

EXPERIENCE

Magnit, Staff Design Technologist, Remote Mar 2023 to Present

- Remediated 1,453+ WAVE-reported accessibility errors toward WCAG 2.1 AA, in a tool now adopted by 4 engineering teams, by building a Claude Code skill that pairs WCAG best practices with in-house branded styles.
- Accelerated Figma-to-production handoff across a 36-type component library by architecting a multi-step Claude Code skill that reads mockups through Figma MCP and uses a decision table to map each element to the documented design system variant and its Angular HTML, TS, and SCSS.
- Ensured AI-generated components ship accessible and error-free by building a self-correcting verification stage that checks component-specific rules (dialog titles, ARIA-labeled close buttons, contrast-compliant required markers) plus compile and runtime errors, looping until clean.
- Standardized UI across 5 enterprise applications, including a worker app with about 26,000 monthly active users, by building the design system documentation app (accessibility guidance, Do/Don't examples, light and dark theming) and leading the accessibility team's fixes for issues reported by visually impaired users.
- Guided multiple engineering teams using the design system as a reference, creating UI tickets grounded in the laws of UX and Material guidelines and mentoring engineers through code reviews of new design system variants. Presented architecture docs and the design system to the VP of Engineering, Head of Engineering, Head of Design, and head architect.

Magnit, Staff UI Engineer, Remote Sep 2021 to Mar 2023

- Smoothed design-to-engineering handoff by building lightweight prototypes that proved exploratory design ideas could work.
- Improved usability during an enterprise app rewrite by designing mockups grounded in the laws of UX and Material guidelines, then iterating with input from multiple teams.
- Built reusable Angular web components that follow Material Design guidelines.

PRO Unlimited, Senior UI Engineer, San Francisco, CA Aug 2015 to Sep 2021

- Established consistent UI implementation across engineering in 2018 by creating a UI Kit of reusable AngularJS controls that let other engineers build common components quickly.
- Gave designers and engineers a shared component reference by implementing Storybook for Angular components and publishing them to the InVision Design System.
- Solved UX issues raised in design reviews by proposing and implementing technical solutions in Angular.

Dell, Software Developer Senior Advisor / Advisor / Programmer Analyst, Remote Feb 2007 to Aug 2015

- Supported 7 consumer-facing web apps deployed across 3 countries, plus a proxy server routing thousands of telematics transactions.
- Resolved scalability, performance, and security issues in Java and Hibernate systems by tuning configuration, adding database indices and views, and building vulnerability test suites.
- Improved UI consistency and cross-browser compatibility by building reusable jQuery plugins and modernizing Java web UIs with CSS3 and AJAX.

Earlier: Freelance PHP Developer, Noble Financial (2013) | Java Developer, Florida Dept. of Environmental Protection (2006 to 2007)

EDUCATION

Florida State University | B.S., Information Technology