Andrew Lux

Creative Developer & Frontend Engineer

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EXPERIENCE

Mastercard

Sept 2025 – Present

Lead UI / Interaction Design Engineer

HTML, CSS, JavaScript, TypeScript, Python

First Design Engineer for Mastercard AI Center of Excellence.

- Rapidly prototyped and built full-stack AI applications within Mastercard's AI Center of Excellence, taking ideas from early concepts to functional applications for testing and evaluation.
- Designed, built, and continuously refined user interfaces for AI-powered applications, testing interaction patterns and workflows to make complex model capabilities more intuitive and useful.
- Worked closely with data scientists and AI engineers to explore emerging model capabilities, evaluate outputs, and translate technical possibilities into practical product experiences.
- Developed and championed a rapid prototyping workflow within Mastercard's Databricks environment, mentoring developers and helping teams move from ideas to working prototypes faster.
- Built across the stack using modern frontend technologies, Python, APIs, WebSockets, backend services, and database integrations to get ideas into users' hands quickly.
- Incorporated AI-assisted development tools, including Claude Code, Cursor, and GitHub Copilot, to accelerate experimentation, explore implementation approaches, and ship prototypes faster.
- Ran user feedback sessions with sales teams and other users across three AI applications, including two sales enablement tools, using what we learned to redesign interfaces and decide what to build next.

Codeword

Jan 2023 – Sept 2025

Senior Creative Developer

HTML, CSS, JavaScript, TypeScript, Python

Content design agency with clients including Google, Qualcomm, and Snapchat

- Led a team of developers, setting technical direction and mentoring engineers while building ambitious, interactive experiences for a diverse client portfolio, with every site going through rigorous user testing before launch.
- Built Volume, a quarterly interactive publication designed to showcase the agency's creative and technical capabilities. Experimented with unconventional concepts, including a publication generated from a collaborative Google Slides deck and a Netscape Navigator-inspired experience filled with pop-ups and playable Solitaire.
- Automated job listings by building a scheduled API integration that pulled, transformed, and restyled external job data directly into the website.
- Built and evolved enterprise marketing platforms using React, Next.js, and headless CMS architectures, working across frontend development, content modeling, and publishing workflows.

Bizzabo

Oct 2021 – July 2022

Creative Developer

HTML, CSS, JavaScript, TypeScript

SaaS platform offering event management software

- Rebuilt Bizzabo's marketing platform after an external redesign, creating a reusable component system and consistent interaction patterns adopted across teams. Built internal React and Next.js tools to solve

operational problems and unblock the Sales team.

- Partnered with UX researchers on in-depth user testing to optimize a high-traffic marketing platform, alongside improvements to performance, Core Web Vitals, and technical SEO.

Eventbrite

Jan 2019 – Apr 2021

Senior Designer / Developer

HTML, CSS, PHP, Javascript

- Led and mentored designers and developers, introducing better development practices, accessibility standards, and reusable workflows across hundreds of websites.
- Built and rolled out accessible UI components and reusable patterns, bringing more than 400 websites into ADA compliance within a month.

Eventbrite

Sept 2017 – Jan 2019

Designer / Developer

HTML, CSS, PHP, Javascript

- Led the technical migration of 400+ venue websites from Ticketfly to Eventbrite, coordinating implementation and deployment without downtime.
- Became the go-to developer for prototyping and building custom frontend experiences for high-value clients.

Ticketfly

Feb 2017 – Sept 2017

Designer / Developer

HTML, CSS, PHP, Javascript

All-in-one ticketing solutions platform focused on live music

- Designed and built custom websites, themes, and plugins for musicians, venues, and businesses, creating interactive experiences ranging from dynamic music blogs to complex venue discovery tools.

C + H Design

Sept 2015 – Jan 2017

Web Developer

HTML, CSS, PHP, Javascript

Mid-sized web design agency with clients including UC Berkeley and other large institutions

- Built custom modules and interactive interfaces for large-scale websites, working within complex architectures to extend functionality and improve user experiences.

SKILLS

Languages: HTML5, CSS3, JavaScript, TypeScript, PHP, Python, MySQL

Technologies: React, Next, Node, npm, Webpack, Websockets, TensorFlow JS, Google Apps Script,

Other: LLM Prototyping, Agentic AI Workflows, MCP Integrations, Platform Architecture, GraphQL, Wordpress, Databricks, Brightspot, Hubspot, Supabase, Cursor, Claude Code, GitHub Copilot