

Scott Earl

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Front-End Software Engineer and multidisciplinary creative with 16 years of experience working across startups, traditional companies, and enterprise teams worldwide. Skilled in UI/UX design and development, currently focused on building AI SaaS products leveraging LLMs, MCP, and agentic workflows. Passionate about crafting user-centric, inclusive, and high-performance web experiences. Humble, empathetic, and committed to supporting and elevating those around me.

EXPERIENCE

Schneider Electric, NAM / Dallas, TX / REMOTE

Jan 2016 – Jan 2024

Senior UI Designer / Front End Developer

- Led front-end design and development for multiple enterprise-scale web and mobile applications from concept to launch, including Schneider Electric's internal Salesforce ecosystem (SE Advantage) and the FlexSeT product suite—an industry award-winning, multi-year platform that enables engineering teams and sales partners to configure, quote, and build custom electrical panels in weeks instead of months.
- Developed custom Lightning Web Components (LWC) across Salesforce production and sandbox environments, ensuring brand consistency, accessibility (WCAG/ARIA), and seamless integration with internal business systems.
- Designed and implemented interactive dashboards, drag-and-drop features, and complex data visualizations using D3.js and web APIs to present engineering data in user-friendly, decision-ready formats.
- Designed and maintained design systems in Figma, scaling UI patterns and components across multiple technologies including Lightning Web Components, Lit Custom Elements, and Angular, aligning with Schneider's evolving global design language.
- Worked cross-functionally with Systems Testing engineers to conduct user testing and develop Electron/Node.js-based BLE emulation tools for QA—reducing hardware test cycles by over 95%, from weeks to under an hour.
- Overhauled Product Selector web apps, integrating modern UI/UX with legacy back-end systems used by thousands.
- Delivered high-fidelity user flows, interactive prototypes, and annotated handoffs to engineering teams across the US, Canada, France, Mexico, Romania, and India. Participated in Agile ceremonies as a core contributor on the SE Advantage Salesforce team, including sprint planning, daily standups, backlog grooming, and retrospectives.
- Collaborated with stakeholders and across departments to resolve bugs, add features, and mentor team members.

Self-Employed Contractor

Sept 2015 – Feb 2016

Front-End UI/UX Designer and Developer

- Nirvana Logic (now Nirvana Labs) - designed, developed Angular components and integrated with Liferay interfaces.
- AMS Controls - designed, developed the front-end application for a wallboard dashboard and data visualization interface (D3.js, Angular/Angular Material) used in production floor settings. Migrated legacy front-end.

Fpweb.net (now US Cloud), St. Louis, MO

Jan 2009 – Sept 2015

Lead Web UX Developer, UI Designer

- Led UI design and development for a 480+ page dynamic marketing site, managing internal and public-facing web properties, including CRM/CMS development with HubSpot, Sitecore and .NET account portals.
- Conducted usability testing and implemented web standards and accessibility best practices.
- Championed the adoption of modern technologies and implemented the first responsive redesigns.
- Collaborated with Marketing, Sales, Engineering and stakeholders to improve conversions, redesigning marketing and checkout pages.

SKILLS

- **Development:** HTML, CSS, Python, JavaScript, Typescript, Lit, Angular, React, Next.js, Vue, Nuxt, Svelte, Astro, Alpine.js, Web Components, D3.js, Tailwind CSS, Sass/SCSS, Three.js, WebGL Canvas, React Native, Ionic, Cordova, Swift, Kotlin, Node.js, Express, REST APIs, Firebase, Supabase, PostgreSQL, Serverless / Cloud Functions, AWS, Server Side Rendering (SSR), PWAs, Bluetooth LE, Electron, Tauri, Webpack, Vite, Rollup, Bun, Git, GitHub Workflows, Cypress, Jest, Playwright, Jasmine, Puppeteer, Storybook, Agentic AI, Model Context Protocol (MCP), Prompt Engineering, LLM Workflows & API (OpenAI GPT, Claude Sonnet, Google Gemini, Grok, Ollama, Tensorflow, PyTorch), Agile Development, Micro-SaaS/SaaS Architecture
- **Design:** Design Systems, Wireframe Prototyping, Interaction, Animation, Graphic Design, 3D, Figma, Adobe, UX, WCAG, ARIA

EDUCATION

Human Factors International, San Francisco, CA

2011

User Experience Certification

Columbia College, Columbia, MO

2006 – 2008

Computer/Management Information Systems