Luke Floden

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Software Engineer / Product Engineer — 5+ years of full-stack engineering + design at healthcare and sustainability startups. Project lead of distributed teams and mentoring junior developers.

Work Experience

Cadence Onefive

Lead Software Engineer   Jun 2024 - 2025

- **Led a distributed engineering team** across 5 time-zones, taking Momentum™ (a SaaS accelerating building retrofits for decarbonization) from overdue and fragmented to stable, fast, and design-driven.
- **Cut weeks off delivery** by upgrading a legacy monolith to modern *Laravel/Livewire*, overhauling component lifecycle management, and moving the build chain to Vite; saving 5+ dev hours per week and halving code review surface.
- **Instituted frictionless demo/review loops**: Added weekly all-stakeholder demos, refocusing the project and restoring lost alignment, helping manage the "growing pains" of a scaling team.
- **Provided direct bridge between design and engineering,** collaborating with the CEO and leading the hire/onboarding of a new designer; moved the org from fragmented design handoff to a unified, Figma-driven, design system.

Cadence Onefive

Senior Software Engineer   Feb 2024 - Jun 2024

- **Delivered a complete UI overhaul** to maximize accessibility (semantic HTML, keyboard navigation) and mobile support. Introducing a custom component library; immediately reducing copy-paste debt and increasing feature velocity.
- **Launched automated linting and formatting** across the stack; surfaced and fixed long-standing UI bugs and broken markup, improving reliability for critical real estate, finance, and utility stakeholders.

Curai Health

Full Stack Engineer III   Sep 2022 - Jun 2023

- **Shipped a cross-platform app to 20k+ users** providing users access to a dedicated care team for real-time, personalized medical support. Built with *React Native, Tanstack Query, and Redux*.
- **Reduced user churn rates through A/B experimentation** during the development of a new onboarding + paywall flow.
- **Cut load times in half** and redundant data fetches through a full migration from Redux to TanStack Query, giving our web app a *native feel.*
- **Architected an Enterprise level SDK** and API enabling third-party integrations without disrupting the core product. Written in Typescript, this NPM package included custom routing and cross-document messaging.

Curai Health

Full Stack Engineer II   Dec 2021 - Sep 2022

- **Delivered a secure, partner-facing portal** with real-time validation and feedback, streamlining client data ingress from multiple sources.
- **Connected growth team directly to partners in need** by adding slack integrations directly with our portal, minimizing time lost on back-and-forth communication
- **Initiated an external gateway service**, guiding four dev teams through the staged rollout from monolith to micro-services, reducing complexity and positioning the platform for scale.
- **Instituted automated documentation** and strict type safety with *FastAPI* on the backend, raising transparency and reliability across services.

Curai Health

MI Engineering Intern   Sep 2021 - Dec 2021

- **Built an interactive ML pipeline analysis tool** (React + dc.js), integrating early-bias detection and safeguards across user demographics.
- **Embedded automated tests and reporting into CI/CD**, strengthening compliance and user trust.
- **Ran structured user studies** to inform design decisions, closing the loop between engineering, product, and design.

University of Louisville

Research/Teaching Assistant   Jun 2017 - May 2021

- **Guided a course on Operating Systems** under Dr. Nihat Altiparmak, instructing students through core OS concepts, C programming, and systems-level debugging.
- **Provided direct technical mentorship**, helping students with 1-on-1 sessions that often involved over an hour of pair programming

Justice Av Solutions (Javs)

Software Engineer   Jan 2018 - Aug 2019

- **Worked across the AV stack**, building and debugging *.NET* desktop apps and *Vue.js* frontends for court recording systems serving *17 countries*.
- **Integrated TCP/IP networking tools** and low-level troubleshooting for robust device-driver performance in mission-critical courtroom AV environments.
- Chose to pursue a graduate degree over an offer to extend my role at JAVS, prioritizing long-term depth and technical growth in the field.

Education

University of Louisville

Master of Computer Science Engineering   2020 - 2021

University of Louisville

Bachelors Computer Science   2016 - 2020

Skills

React (Native)   *Next.js*   *Svelte (Kit)*   *Typescript*   *Tailwind*

TanStack Query   *Redux*   *Laravel*   *FastAPI, Flask*   *LangChain, MCP*

Figma   *AWS/GCP*