



Jon Laing

PRODUCT ENGINEER & DESIGNER

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SUMMARY

Full-stack product engineer with a designer's eye. I came up through a BFA and design work before spending the last decade-plus shipping products in React, React Native, and TypeScript. These days I'm Lead Product Engineer at Farsight AI, where I built the web-app frontend from scratch, set the frontend direction for our Platform Engineering team, and tame the messy state that comes back from LLMs. Before that I built data-visualization tools at Scholastic, led desktop software at MakerBot, and founded a couple of startups of my own. I care about the whole thing — the interface people actually touch, accessibility by default, and architecture that won't fight you a year from now.

EXPERIENCE

Lead Product Engineer

Aug 2025 — Present

[Farsight AI](#)

- Built Farsight's entire web-app frontend from the ground up and set the frontend technical direction across the Platform Engineering team.
- Created a themeable component library that unifies the UI across every product — the web app and a PowerPoint / Excel / Word add-in.
- Designed an LLM-chatbot state-management library on nested finite-state machines to tame the complex state from our LLM service: cut thousands of lines of duplicated code, drove bugs to near zero, and sped up new features — with close to 100% test coverage.
- Rebuilt authentication from the ground up, migrating off a brittle Cognito setup to WorkOS — now serving 1,000+ users reliably for over a year.
- Established the frontend architecture and developer experience: monorepo, design system, testing, and build tooling.
- Mentor engineers across Platform Engineering, and own frontend code review and hiring.

React · TypeScript · Effect.ts · XState · Base UI · Tailwind CSS

Senior Full-Stack Engineer

Oct 2022 — Jul 2025

Scholastic

- Built data-visualization tools that surface student progress and learning insights for educators.
- Designed interactive filtering and grouping that made large educational datasets easy to explore.
- Worked in a cross-functional team of 12, taking features from concept to production.
- Applied advanced state management to handle large-scale datasets without sacrificing responsiveness.
- Championed accessibility, keeping the product WCAG-compliant and inclusive by default.
- Mentored junior developers and helped raise the team's engineering bar.

React · TypeScript · TailwindCSS · Radix · Data viz · Accessibility · Agile

Freelance Full-Stack Engineer

Jan 2018 — Oct 2021

Independent

- Built custom, reusable JavaScript UI components for Huge / Google.
- Developed front-end templates on Google's Material Design system for consistency and accessibility.
- Created a full point-of-sale application for XY Retail in React Native and TypeScript.
- Integrated backend APIs and payment gateways for reliable transactions and data sync.

React Native · XState · TypeScript · Python

Lead, Desktop Software

Sep 2016 — Jan 2018

MakerBot

- Led a team of four building desktop software for 3D-printer integration in Electron, React, and Flux.
- Owned team leadership: mentoring, code review, hiring, and cross-functional communication.
- Designed a custom print-settings interface supporting both experimental and legacy nozzles.
- Kept the software adaptable to evolving hardware while preserving backward compatibility.

Electron · React · Flux

Senior Software Engineer & Creative Director

Aug 2012 — Oct 2015

Brainscape

- Optimized the flashcard-syncing API, doubling its speed and eliminating long-standing bugs.
- Led a full redesign of the corporate identity across the mobile app and website.
- Ran user focus groups to refine interface designs.
- Rebuilt the UI in ReactJS, migrating off jQuery.

ReactJS · jQuery

EDUCATION

B.F.A.

Sep 2007 — Jun 2011

University of the Arts

Design and illustration from first principles — the foundation in typography, composition, and craft that still shapes how I build interfaces.

SKILLS

Languages

TypeScript JavaScript Rust Java Ruby Haskell
ReasonML / ReScript Bash

Backend & AI

Node.js Effect.ts Ruby on Rails Vercel AI SDK
OpenAI Anthropic Claude Linux / Unix

Frontend

React / React Native Next.js HTML5 / CSS3

Design & tooling

Adobe Creative Suite Git

PROJECTS

Stax

Creator & maintainer

A reactive UI framework built on Effect.ts, with first-class SSR, static generation, and type-safe routing. Powers this site.

Doulevo

Creator

An AI resume editor that analyzes, optimizes, and tailors resumes to a target role — automated content suggestions, formatting fixes, and keyword optimization to help people actually land interviews. (This very resume was built with it.)

Mutty

Founder • 2021–22

A mobile app for pet owners, built solo in React Native, Expo, and Firebase — with location-based geospatial features and privacy protocols to protect user and pet data. Shipped to iOS; never quite found its market.

Partisan.IO

Founder • 2015–16

A social network that matched people by political compatibility, powered by a proprietary alignment algorithm that scored your leanings from a 20-question assessment. Built in Go and an early version of React Native; launched a public beta.