



TOM LEWIS

*Senior Full Stack Engineer UX
& Product Leadership Focus*

Full Stack Engineer blending technical expertise with UX and product leadership. Proven track record in building scalable applications, shaping product strategy, and mentoring teams to deliver maintainable, user-focused solutions. Passionate about translating complex requirements into high-performance software and currently expanding expertise in AI-driven applications to unlock new product capabilities.

EDUCATION

**Oregon State University
2014**

Bachelor of Science
Computer Science

4.0 GPA

Alfred University 2006

Bachelor of Fine Arts
Expanded Media

Magna Cum Laude

EXPERIENCE

Digital Harbor

Product Team Lead, Full Stack Developer

2020 - present

- Assumed multiple roles across product, design, and engineering to develop Social Forms: a next generation product that changes the way people think about, build, and use forms, transforming it into a collaborative, helpful, and joyful experience.
- Developed an Assistive UI system for contextual help/dialog paving the way for cutting edge conversational UI. Included a performant custom animation engine (use RAF techniques) for nuanced and expressive motion.
- Developed an Autofill feature that leverages LLM embeddings for intelligent form completion
- Designed and implemented DesignKit and a flexible theming and template system, enabling users to create visually appealing, customizable forms with real-time updates. Think Canva of form building.
- Built scalable front-end architecture with Angular and a Nest.js microservices backend, including a state management system (NgRx) for performance and maintainability.
- Engineered an advanced drag-and-drop layout system with nesting and column division for complex form creation.
- Established a unified development and QA testing process using Playwright and AI-assisted test creation.
- Setup and guided usage of Storybook and developed component system strategy, catalyzing a path towards Design and Engineering alignment. Automated story creation process with orchestrated LLM based workflows.
- Led UX efforts, producing wireframes, guiding design of application flows, layouts, and form controls, and mentoring developers/designers on usability best practices.
- While primarily leading with engineering, also collaborated with Product Management to shape user stories, conduct usability assessments, and inform product direction.
- Mentored junior developers in clean, maintainable coding through code reviews, pair programming, and best practices.

Ricochet Partners

Solution Architect

2019

- Led development of web apps, websites, and programming projects across diverse industries, providing technical guidance, implementation strategy, and project execution.
- Built a 3D interactive web app for an electronics test chamber company using JavaScript, Web Components, Webpack, and the Sketchfab API.
- Developed prototypes and provided UX advisory for a legal document management application for a major semiconductor manufacturer.

EXPERIENCE CONTINUED

Ricochet Partners

Senior Programmer

2014 - 2018

- Developed Learning Management System prototype with a Ruby on Rails based API backend and Angular front end.
- Led development of a vision correction web app for optometrists, leveraging Angular, Webpack, Jasmine, and Docker.
- Built a project entry tool in Ruby on Rails integrating Wrike and Intervals APIs to streamline project management
- Created a proof-of-concept and led development for an AR app for a Georgia Pacific trade show using Unity, C#, 3D modeling, and Xcode/TestFlight.
- Led development of a contact lens company website, implementing a modular page-building system in Craft CMS with BEM/SASS for maintainable styling.

Freelance Website Design and Development

2007 - 2014

- Designed and built CMS-based websites using WordPress, WooCommerce, OpenCart, and custom solutions.
- Delivered projects for clients including Writers Guild of America, Fox Entertainment, Kopion Asset Management, and multiple e-commerce businesses.
- Collaborated with diverse teams, from independent work to cross-organization coordination.

Frameworks

Angular
React
Svelte
Vue
Nest.js
Ruby on Rails
Unity

Languages

TypeScript / JavaScript
HTML
CSS
Python
Ruby
Elixir

Core Competencies

Front-End & Full Stack Development
Product & Team Leadership
Wireframing / High Level Design
User Testing
UX Engineering

Tools

Figma
Adobe Suite
Affinity Suite
AI workflows