

David Marr

25 Years Scaling Modern Software, Global Teams & AI Integration

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Summary

Engineering leader with 25 years building production software. Expertise in TypeScript, NodeJS, React, Vue, and AI-assisted development. Passionate about delivering enjoyable experiences and leading teams to faster, higher-quality delivery.

Experience

Sept 2025 – Mar 2026 **Engineering Manager**, Context Labs – Cambridge, MA

Led distributed UI/UX engineering organization delivering multi-tenant analytics platform using Nuxt and Vue.

- Managed and grew UI/UX team across three continents; introduced OKRs and reviews improving velocity and reducing incident MTTR (time to restore service) by 50%.
- Drove adoption of AI coding assistants and MCP extensions in our Nuxt stack, pairing hands-on workshops with clear review and testing guardrails so teams shipped safely at higher cadence.

June 2022 – Sept 2025 **Principal Software Engineer**, Context Labs – Cambridge, MA

Led technical delivery of a multi-tenant, production-grade analytics platform using Nuxt and Vue; established engineering practices to reduce time-to-market and improve product quality.

- Built production BFF platform with GraphQL/Java, multi-tenancy, SSO, RBAC, and internationalization using Nuxt and Nitro.
- Developed shared UI component library with Vega Lite, MapBox, and accessible controls (TypeScript/Vue).

Feb 2020 – Feb 2022 **Lead Engineer**, Filtered.ai – Boston, MA

Engineered the scalable SaaS platform for employers managing high-volume technical hiring processes with AI-driven grading, fraud detection, and React/TypeScript/Node.js tech stack.

- Directed recruitment workflows (interview scheduling, candidate pipelines, assessments) using React, TypeScript, and Node.js.
- Shipped features informed by funnel analytics and product metrics that identified drop-offs, raising funnel completion and improving time-to-hire conversion metrics.

Apr 2018 – Dec 2019 **Lead / Staff Software Engineer**, Turo – Cambridge, MA

Promoted from Staff to Lead (Apr 2019) to drive customer-facing features for host engagement and revenue. Leveraged React and Redux; added error management with stack traces; integrated in-car hardware.

- Owned trip management tools with dynamic pricing, improving host experience and utilization.
- Shipped UI and workflow updates for the All-star host program to recognize and incentivize top hosts, supporting retention and higher-quality listings.

Jan 2016 – May 2018 **Senior Software Architect**, OneMarket / Westfield Labs – San Francisco, CA
Architected physical and online payment products, producing £2m per-month of income. Led customer management tools using JavaScript and React. Resided in London for flagship shopping center project.

- Developed smart parking with facial recognition, subscription billing, and automated gates using React and Stripe APIs.
- Built indoor mapping, directory kiosks, and wayfinding systems with Mapbox, Node.js, and C.

July 2013 – Dec 2015 **Senior Systems Engineer**, Tilt.com – San Francisco, CA
Optimized core user flows and backend systems to increase conversion and streamline operations. Simplified contribution flow yielding 15% lift in signups; engineered early React SSR with Perl/JavaScript.

Jan 2009 – Mar 2010 **Design Technologist**, Frog Design – San Francisco/Orlando/Austin
Engineered digital and physical technical innovations including:

- MagicBand wristband at Disney World onsite in Orlando, FL.
- Cellular television at Qualcomm campus in Austin, TX.
- Smartphone UI for AT&T/Facebook prototype in San Francisco, CA.

2000-2013 **Previous Leadership & Technical Roles**, Various – Massachusetts & California
Industrial automation web interfaces and dashboards (GE Fanuc / Intellution); enterprise web integrations (SoftArtisans); user-facing features and a Webby-recognized career advice site (Monster.com); scalable frontend architecture for high-traffic Yahoo properties; design-to-production prototyping (Frog Design); co-founder/CTO for an early social product (Secret Feature); publishing and ad-tech at Say Media.

Education

Sept 1996 – May 2000 **University of New Hampshire**, BS – Durham, NH
Focus on Management of Information Systems (MIS)

Skills

Languages/Frameworks/Web: TypeScript, JavaScript, Python, Go, React, Vue, HTML, CSS, Tailwind, Nuxt, Tanstack Start, Vega Lite, Mapbox, D3, Zod, React Hook Form, Vee-Validate, WebGL, WebGPU, WebRTC

AI Tools/Infrastructure: Kubernetes, AWS, PostgreSQL, Docker, Git, MongoDB, Bash, Trino, ArcadeDB, Vite, Vitest, Vercel AI SDK, Pi, Cursor, Opencode, Cloudflare Workers, Cloudflare Durable Objects, Agent Skills, Turborepo, Lerna/NX