

Jonny Asmar

Staff / Principal Product Engineer

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Staff/principal engineer who builds leverage for teams and products. At Trello, built an **AI Skills ecosystem used close to 1,000 times a day**; at Meta, cut privacy review from **55 days to under 5** across ~30,000 product areas. Builder of **atrium** for fleets of coding agents.

Expertise

AI-native engineering: Agent tooling and orchestration, MCP, AI-assisted development

Product architecture: TypeScript, React, Next.js, Node.js, Rust/Tauri, GraphQL, systems design

Technical leadership: Staff-level IC, product delivery, cross-functional leadership, mentorship

Professional Experience

Atlassian (Trello)

Principal Engineer

July 2025 - August 2026 | Remote

- Built **@trello/aidev**, the AI Skills ecosystem for Trello, solo alongside regular delivery. Platform adopted it as the **foundation of Atlassian's AI SDLC workflow**; it now handles **close to 1,000 skill invocations per day**.
- Shipped Agenda View for Planner solo as an AI-first build, condensing a **12-week roadmap into 2 weeks** and driving a **65% increase in weekly active users**.
- Led and shipped a **full visual refresh of Planner**, Trello's calendar product.
- Built core **multi-account support** for Planner.

Meta

Software Engineer (L5), Tech Lead

June 2021 - January 2025 | Remote

Technical lead for Privacy Review Experience, the compliance system gating **~30,000 product areas**; owned the six-month redesign of its collaboration and compliance architecture.

- Built self-certification that reduced privacy review cycle time for **~70% of reviews from 55 days to under 5**; most completed in **under 1 day**.
- Redesigned the compliance model, consolidating **100,000+ bespoke mitigations into ~10,000 reusable requirements** and covering **80% of requirements with 200 templates**.
- Architected a **real-time, version-controlled Privacy Graph** collaboration system using React, GraphQL/Relay, and Hack.
- Led an **AI-assisted, human-in-the-loop migration** that moved **85% of ~30,000 requirements** onto templates **within two months**.
- Built one-click upgrade tooling that saved privacy managers **1,700+ hours**.
- Automated evidence collection so **65% of requirements verify programmatically**, eliminating **2-10 hours** of evidencing from **roughly 1,000 reviews per month**.
- Built **80+ operational metrics** and cut average query time from **20-30 seconds to 1.2 seconds**.

Cvent

Lead to Principal Frontend Engineer

August 2018 - May 2021 | Tysons, VA

- Architected **Carina**, a **40+ component design system**, and **NX**, its application framework; drove company-wide **GraphQL adoption** and documentation used by **10+ teams**.
- Expanded Carina adoption from **roughly 20% to 100% of product teams** by taking test coverage from 0 to 100% and adding accessibility checks in CI.
- Migrated shared systems to TypeScript and rebuilt Webpack, Jenkins, and AWS pipelines, cutting deploys from **1-2 hours to under 20 minutes** with **near-100% stability**.
- Mentored **13 engineers**; two direct mentees earned **five promotions in one year**; rebuilt the interview process that hired **10+ engineers** and founded **re:Render**.

Independent Consultant

Product and Engineering

September 2012 - June 2015; August 2017 - August 2018 | Remote / Fairfax, VA

- Led UI development for Virginia Tech's award-winning Virginia Cyber Range, a React/TypeScript/AWS platform for cloud cybersecurity labs.
- Built Phoenix Home Services' React/GraphQL/Craft CMS site, CRM, and acquisition programs, generating **\$1M+ in monthly leads**.

AOL / Verizon

Frontend Software Engineer

June 2015 - August 2017 | Dulles, VA

- Modernized Autoblog, increasing conversion and engagement by **up to 65%**, cutting load time by **3-7 seconds**, and lifting organic search traffic by **30%+**.

Selected Project

atrium

Development environment for fleets of coding agents

2026 - present | <https://getatrium.dev>

- Built solo in Rust/Tauri and TypeScript. **Ten agent CLIs** run as first-class citizens, so one person runs **dozens of agents at once** and stays in the loop on all of them. **~30 daily active users**.

Additional Roles

Foster Consulting - Frontend Developer (2011-2012); Crown Productions - Owner / Creative Director / Lead Developer (2006-2011); 360pixs - Full Stack Developer / Project Manager (2003-2008).

Education

George Mason University

Computer Science coursework; Computer Game Design coursework