Adam Miller

Staff Software Engineer, Full-Stack & Platform

Pittsburgh, PA (remote) · Email · LinkedIn

PROFESSIONAL SUMMARY

Staff-level engineer with nearly 20 years of building products and the platforms behind them, from data models and Node.js services to CLIs, CI/CD and the web front end. At Netflix I built the CLI tooling that moves 900+ JavaScript applications across breaking changes, built Data Mechanic, a greenfield data-quality application on a graph database, shared on-call for the platforms that build, deploy and run those applications, and led two JS Platform teams serving 1,000+ engineers through the shift to agentic development. At Walmart I was technical lead for a 50-engineer org and designed the server-rendered React architecture behind SamsClub.com, which drives millions of dollars in daily revenue.

PROFESSIONAL EXPERIENCE

Netflix

July 2021 – October 2026

Engineering Manager, JS Platform

February 2026 – October 2026

Led two teams in succession in the JS Platform org, serving 1,000+ engineers across 900+ applications, including the owners of Jetpack (Netflix's platform for developing and deploying JavaScript apps) and NodeQuark (its managed Node.js runtime).

- Championed and scoped a CI/CD overhaul for Netflix's busiest monorepo (~1,300 PRs merged per month), targeting a more than 50% cut in build cost and volume through package restructuring, work-avoidance patterns and a remote module cache; engineers were implementing it when I left.
- Led the platform's shift to agentic development, with my teams shipping tooling to all 1,000+ engineers: headless remote dev servers for parallel agents, platform CLIs reworked so prompts became flags agents and scripts can run unattended, and llm-context in 100% of platform libraries, kept current by a CI-triggered agent.
- Set long-term direction with the Jetpack Northstar foundation (guiding principles, strategy bets), aligning three platform teams and partners in Delivery, Source Control and Tech Catalog.
- Created and led the Generative UI Working Group, evaluating MCP Apps, WebMCP and CopilotKit for agent-driven internal UIs.
- Grew engineers, including converting an intern to full-time and preparing two engineers for promotion, and led a team through a reorg with no disruption to in-flight projects or growth plans.

Senior Software Engineer, JS Platform

May 2023 – January 2026

- Built an automated dependency-upgrade CLI with deterministic codemods (TS, CSS, GraphQL) that migrated the JS application fleet across breaking changes in the design system, browser runtime libraries and schema deprecations, cutting large-app migrations from weeks to days and saving thousands of engineering hours.
- Shared on-call for Jetpack and NodeQuark, responding to production incidents on the platforms that build, deploy and run Netflix's JavaScript applications.
- Designed and shipped Netflix's paved path for JavaScript library versioning and publishing, closing a years-long gap in the platform.
- Built GraphQL introspection and codegen tooling with end-to-end type-safe requests across Netflix's federated graph, standardizing data fetching for JS clients.
- Created and led a monthly customer program with product engineering teams, turning their feedback into roadmap features and earning the highest customer satisfaction scores of any platform team at Netflix.
- Core maintainer of Hawkins Professional, Netflix's internal design system.

Senior Software Engineer, Studio Foundations July 2021 – April 2023

- Built Data Mechanic, a greenfield full-stack data-quality application using algorithmic record matching and a graph database, making Data Admins an order of magnitude more efficient at deduplicating Netflix's talent, vendor and production records.
- Designed a novel interface that shows how similar records connect in the graph, so users could see why records matched and resolve duplicates in one place.

Walmart eCommerce

February 2016 – July 2021

Principal Software Engineer, SamsClub.com

- Technical lead for a 50-engineer org, owning code quality, documentation and developer productivity.
- Designed the architecture for SamsClub.com's server-rendered React app, which drives millions of dollars in daily revenue.
- Drove test coverage across the SamsClub.com codebase from ~13% to 92% with coverage thresholds in every repo and a team-wide practice of testing new functionality, which other engineers extended by retrofitting tests for key existing code.
- Revamped cart, search, product details and add-to-cart, validating each change with A/B tests and gradual rollouts, lifting conversion 1–3% per change.

EARLIER EXPERIENCE

2007 – 2016

Saturday Morning Projects, Founder (2009–2016)
Consulting, full-stack builds and deployment for startups, nonprofits and agencies.

The Barbarian Group, Senior Design Technologist and Developer (2007–2013)
Led builds for GE, Mozilla and Red Bull.

Wikimedia Foundation, UI Software Engineer (2009–2010)
Usability Initiative features still live on Wikipedia.

SKILLS

LANGUAGES	TypeScript, JavaScript, SQL
BACKEND & DATA	Node.js, GraphQL API design and federation, Postgres, Elasticsearch, graph databases
PLATFORM & DELIVERY	CI/CD (GitHub Actions, Jenkins, Spinnaker), Turborepo, remote build caching, CLI/TUI tooling, codemods (TS, CSS, GraphQL), dependency management and automated upgrades, on-call and incident response
FRONTEND	React (SSR), design systems
AI	coding agents, MCP, agent-native developer workflows

EDUCATION

Bachelor of Science, New Media
Rochester Institute of Technology