

# Alex Havermale

Software Engineer & Technical Leader

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📍 Remote (US)

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📞 [Redacted for privacy]

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Full-stack software engineer with 12+ years combining systems thinking with product and design sensibility. Expertise in TypeScript, React, GraphQL, and the Node.js ecosystem, with a focus on user + developer experience, UI + API design, performance, and scalability. Proven record of owning features and leading teams to deliver internal tools and production-grade web applications with business impact reaching millions of users.

## Experience

### Staff Software Engineer

Jul 2022 - Present • 3yrs 10mos

*The New York Times*

- Designed and launched a 0-to-1 subscriptions platform using React 19 / Next.js 15 (w/ RSC architecture), Apollo GraphQL, and DynamoDB. Owned end-to-end architecture including data modeling, versioned API design, and UI implementation. End result unified multi-tenant workflows for 6K+ B2B accounts (~3M subscribers), reducing ops costs by \$200K annually.
- Led technical strategy and design direction for a subscription management dashboard and UI/platform modernization. Built shared tooling alongside product work for environment config, secrets management, and Node.js containerization and deployment; impact extended beyond immediate team with this tooling now adopted by multiple NYT product teams.

### Staff Software Engineer

Dec 2021 - Jul 2022 • 8mos

*CNN Digital, Warner Bros. Discovery*

- Served as technical lead for the CNN+ web app, owning delivery and launch. Championed accessibility and compatibility across both web and web-based mobile experiences, ensuring full support for all major browsers at or over 2% global usage.
- Spearheaded performance optimization efforts for CNN+ across web-based platforms, reducing external network requests by ~89% and nearly halving First Contentful Paint (FCP) time by fine-tuning asset file sizes and orchestrating load order.

### Senior Software Engineer

May 2020 - Dec 2021 • 1yr 8mos

*ViacomCBS, Paramount*

- Built a live video CMS/internal operations tool using React, enabling operations teams to manage content delivery for high-traffic sporting events (8M+ CCV) streamed across both Paramount+ and CBS Sports OTT & TV apps. Designed intuitive workflows to handle concurrent multi-user edits to streaming content, ensuring TV UIs remained in sync at all times.
- Led frontend and API development for a live event streaming pipeline, building a React + GraphQL-driven dashboard that provided real-time observability of live streams through the encoding/delivery pipeline. Designed interactive visualizations of encoder nodes and stream health, providing actionable data for ops teams to debug and triage 40K+ live events annually.

## Education

### B.S., Computer Science

*Virginia Military Institute*

ROTC, Psychology Minor

## Military Service

### Captain (O-3), USMC

*United States Marine Corps*

0602 Communications Officer

## Areas of Focus

User + Developer Experience, System Design, API Design, Performance Optimization, Scalability, Observability

## Technical Skills

TypeScript • JavaScript • React • Next.js • Node.js • GraphQL • OpenTelemetry • Claude Code • Go • Swift • Terraform • Shell • Docker • Kubernetes • AWS • ECS • Lambda • CDN • Redis • DynamoDB • SQL • LLMs • MCP