Alex Havermale

Software Engineer & Technical Leader

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Full-stack engineer with 12+ years combining technical mastery with product and design sensibility.
Expertise in TypeScript, React, GraphQL, and the Node.js ecosystem with a focus on developer experience, performance, and scalability. Proven record of leading cross-functional teams to deliver complex applications and user experiences across web and mobile platforms with business impact reaching millions of users.

Experience

Staff Software Engineer
Jul 2022 – Present • 3yrs 8mos

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, API contract design, and UI implementation. End result unified workflows for 6K+ B2B customers (≈3M subscribers) and reduced operational costs by $200K annually.
- Led technical strategy and design direction for a subscription management dashboard and UI/platform modernization. Identified developer friction and built shared tooling for environment configuration, secrets management, and Node.js containerization and deployment now adopted by multiple NYT product engineering teams.

Staff Software Engineer
Dec 2021 – Jul 2022 • 8mos

CNN Digital, Warner Bros. Discovery

- Led development of the CNN+ web app and subsequent product launch. Championed accessibility and compatibility across both web and web-based mobile experiences, ensuring all major browsers at or over 2% global usage were supported.
- Spearheaded performance optimization efforts for CNN+ across web-based platforms, reducing external network requests by 800% 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 using React, enabling operations teams to manage content delivery for high-traffic sporting events (+8M CCV) streamed across both Paramount+ and CBS Sports platforms. Designed workflows and state management to handle concurrent multi-user edits to streaming data, ensuring local UI state remained in sync with the live content API.
- Led frontend and API development for a live event streaming pipeline, building a React + GraphQL-driven dashboard that provided real-time visual monitoring of video streams through the encoding/delivery pipeline. Designed interactive graphs showing encoder nodes and stream health, enabling operations teams to debug and optimize +40K live events annually.

Education

B.S., Computer Science

Virginia Military Institute

2009–2013

Military Service

Captain (O-3), USMC

United States Marine Corps

0602 Communications Officer

Areas of Focus

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

Technical Skills

TypeScript • JavaScript • React • GraphQL • REST • OpenAPI • Node.js • Go • Terraform • Bash/Shell • Docker • Kubernetes • AWS • ECS • Redis • DynamoDB • MySQL/PostgreSQL • Figma • Adobe CC • Photoshop • Illustrator