

Andrew S. Ross

Software Engineering Lead

Barrington, Illinois • +1-563-580-9987 • andew@windycitydevs.io • linkedin.com/in/asross • asross.com

Staff-Level Software Engineer with 5+ years' experience delivering high-performance UI/UX, full-stack, and XR solutions. Skilled in React, TypeScript, Node.js, Next.js, and Package Development. Passionate about driving innovation and cross-functional collaboration to scale products globally.

WORK EXPERIENCE

JAMstack Development Lead, Takeda Pharmaceuticals

April 2022 – September 2024

Lexington, MA (Remote)

Led a global team of developers to build and deploy UI/UX-focused web and XR solutions, including the new Takeda dot com site which was shipped [across 70 geographies](#). Collaborated with the Immersive Experience team to design visually engaging interfaces using React, TypeScript, & Next.js.

- Decreased build times 4x by leading a Netlify-to-Vercel migration
- Developed @takeda-digital/xr, a CLI package to automate XR project deployment of 20+ projects; enabled non-developers to hand off assets (3DVista Pro) and generated deployment-ready Next.js apps (analytics, SSO auth, API routes, middleware) with 3 commands, reducing deployment time from weeks to under 1 hour; leveraged Cloudinary CDN to mirror 100,000+ media assets per project, improving performance by 3x, as recognized by the Head of Immersive Experiences.
- Designed and deployed BioLife XR, a user-centric virtual experience targeting prospective donors using @takeda-digital/xr, reaching 4,000–5,000 users monthly since launch; analyzed Google Analytics to identify and fix a Facebook mobile browser issue (landscape mode restriction), implementing edge middleware redirect logic that reduced bounce rate by 15% and increased conversions by 20%; bi-monthly reviews with BioLifes' Head of Analytics
- Developed an internal package ecosystem (12+ packages) used by 20+ projects org-wide
- Guided the organization in adopting Next.js, coaching non-technical stakeholders on best practices and accelerating enterprise-wide buy-in. Leveraged Sanity CMS as our headless CMS of choice
- Conducted several dozen interviews for Senior Engineer and Senior Architect roles and directly onboarded and mentored a several of these hires by hosting weekly roundtables

Software Engineer & HIPAA Compliance Officer, Cortina

May 2021 – February 2022

Chattanooga, TN (Remote)

Developed a full-stack telemedicine platform with React, TypeScript, Node, & Prisma, integrating REST APIs (Zendesk, HubSpot, Stripe) for real-time data syncing. Synced HubSpot CRM via Nest.js+Next.js strategy

- Built an event-driven ticketing system for Patients/MDs via TypeGraphQL
- Completed necessary steps to secure HIPAA seal of Compliance for the teledermatology startup
- Conducted weekly meetings with an external marketing firm; worked closely with the head designer

Cofounder & Tech Lead, Windy City Devs LLC

March 2020 – February 2022

Highland Park, IL

Modernized client web presence with Next.js and headless WordPress on AWS, focusing on performance, SEO, and UI/UX.

- Architected Headless WP strategy
- Optimized accessibility features by integrating AWS Polly and Alexa text-to-voice.

Full-Stack Bootcamp TA, Vanderbilt University

September 2020 – March 2021

Nashville, TN (Remote)

Mentored 40+ students in full-stack development, focusing on React, Node, and GraphQL.

- Mentored a cohort of 40+ aspiring developers through hands-on projects

EDUCATION

The University of Iowa, Iowa City, IA

Bachelor of Science — Bio Anthropology

Bachelor of Arts — Biochemistry

Minor — Chemistry

Northwestern University, Evanston, IL

Professional Certificate — Full-stack Development

TESTIMONIALS

“With your performance optimization of our experiences (via the @takeda-digital/xr package), you were able to single handedly improve performance of the website 3x, which is a metric that led Intelligent Workplace KPIs during Q2 review”

- Matthew M., Extended Reality Platform Head, Takeda

“Andrew has been a constant and reliable building block of our team over the last couple of years and is always willing to help out and go the extra mile when needed.”

- Daniel K., Extended Reality Platform Member, Takeda

“Your tireless dedication and innovative approach have helped make a significant impact on our organization and its mission. By creating engaging and informative experiences, we will effectively reach thousands of potential donors.”

- Matthew M., Extended Reality Platform Head, Takeda

SKILLS & OTHER

Languages: TypeScript (Expert), JavaScript (Expert), SQL, Python, Go

Frameworks & Libraries: Next.js (Expert), React.js (Expert), Node.js (Expert), Tailwindcss (Expert), Nest.js, React Three Fiber (R3F), d3, Redis, GraphQL, REST, Prisma, Postgres, SQL Server, Jest, Playwright, Cypress

Platforms & Services: AWS, Azure, GCP, Vercel, Docker, JFrog, WordPress, Sanity, Contentful

Tools: Git, Figma, 3dvista Pro, Blender, Movavi, Photoshop, Illustrator, Word, PowerPoint, Excel, Adobe Acrobat, ffmpeg