

Andrew Richter

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Software engineer with 6 years experience who bridges design and engineering to ship polished, scalable web applications across modern frontend and backend systems.

Experience

Block (formerly Square)

Software Engineer

May 2022 - Feb 2026

Full-stack engineer building and maintaining block.xyz and a company-wide CMS powering AI-assisted content workflows:

- Owned frontend web application for internal headless CMS used by 2,000+ employees, including a custom rich text editor with embedded cross-entry references to reduce content duplication.
- Engineered overhaul of the Block's Careers platform by integrating Greenhouse APIs with Redis caching, building a sandbox testing environment, and serving as engineering POC for production release and ongoing maintenance.
- Led frontend architecture for Crypto Travel Rule product, guiding technical direction, implementation, and security alignment for compliant transactions above \$3,000 across Cash App, Square, and Afterpay.
- Partnered with designers to build CMS-driven pages for block.xyz built with reusable referenced components, enabling design-forward customizable layouts.
- Owned Sanity CMS migration infrastructure and implemented custom inputs to cut editorial turnaround time by approximately 40% and reduce publishing errors.
- Architected configurable SEO schema, enabling non-engineers to manage structured metadata for Block's news pages.
- Resolved recurring production issues, including Redis race condition, reducing on-call alerts from 20 per week to 3, established Datadog SLO dashboards, and improved block.xyz security rating from D to A with security headers.
- Implemented AWS S3 and Fastly CDN infrastructure for delivery and caching of static assets across block.xyz.
- Designed a flexible Contentful content type model for knowledge articles to enable scalable organization by team.

6 Degrees Health

Software Developer

Nov 2021 - May 2022

Junior Software Developer

Aug 2020 - Nov 2021

Developed full-stack web and mobile applications at a healthcare startup in an Agile environment:

- Built internal tooling with React and Go to automate healthcare claims monthly reporting, reducing manual processing from 3-7 days to 1-3 hours.
- Rebuilt mobile app MediVI's core user-facing flows, including authentication and provider search, using React and Capacitor for cross-platform mobile delivery.
- Maintained and enhanced Go and Python API services for SFTP-based data ingestion pipelines in Google Cloud Platform, improving monitoring visibility, reliability, and processing efficiency.
- Optimized PostgreSQL database queries and slow tables, reducing page load times from 10s to milliseconds.

Oracle Health (formerly Cerner)

Software Intern

May 2019 - Aug 2019

Built a full-stack tool to manage patient charting content licenses, improving scalability and workflow maintainability:

- Developed a React and Redux web interface for managing license lifecycle workflows.
- Built Ruby on Rails REST API and MySQL data model for subscription-based content license lifecycle management.

Skills

Frontend: React, Svelte, TypeScript, Tailwind.

Backend & Databases: Node.js, Go, Python, PostgreSQL, MySQL, MongoDB, Redis.

Cloud & DevOps: AWS, GCP, Fastly, Cloudflare, Terraform, LaunchDarkly.

Other: Claude, Cursor, Sanity CMS, Contentful CMS, Figma, Illustrator.

Education

Truman State University

B.S. in Computer Science, Minor in Design

Aug 2016 - May 2020

Summa Cum Laude | Departmental Honors | Cody Sumter Computer Science Scholarship (2018, one student/year).