

Full-stack senior software engineer & occasional technical writer based in Minneapolis, MN.
Core technologies: JavaScript, TypeScript, HTML, (S)CSS, Bash, Python, Go, Java, and Docker.

RECENT EXPERIENCE

Software Engineer & Technical Writer at Freelance

11/2023–Present

REMOTE | EDTECH, PROPTech, AND LIVE EVENTS | TYPESCRIPT (REACT), PYTHON (FASTAPI)

- Wrote popular articles including in-app browsers, HTMX, and Alembic database migrations.
- Consulted with bootstrapped founder on how to technically build their MVP within a limited budget.
- Contracted with a local HOA to build a React web app for displaying property metadata.

Software Development Engineer at Kindly Human

05/2023–11/2023

REMOTE | MENTAL HEALTHCARE STARTUP | PYTHON (FLASK, ALEMBIC), TYPESCRIPT (REACT), TAILWIND, POSTGRES, AWS

- Developed and documented a workflow to link a React component library into a Yarn monorepo.
- Interviewed candidates during company growth for backend, devops, QA, and product owner roles.
- Reduced noisy on-call alerts by 90% by adding logic to handle common Twilio SMS & MMS error codes.
- Architected moving email campaigns from custom transactional logic into a Mailchimp integration.

Software Design Engineer II at Mattermost

03/2022–12/2022

REMOTE | OPEN-SOURCE COLLABORATION SOFTWARE STARTUP | GO, TYPESCRIPT (REACT), POSTGRES, MARIADB, SQLITE

- Supported and maintained Mattermost's open-source project management product Focalboard.
- Engaged in 200+ code reviews along with supporting community contributions e.g. Hacktoberfest.
- Created API endpoints to export history data enabling compliance for highly regulated customers.
- Shipped guest account support and new roles in the RBAC permissions setup for the product.

Software Engineer at Target

07/2019–03/2022

MINNEAPOLIS, MN | FORTUNE 50 U.S. RETAILER | JAVA (SPRING, MICRONAUT), REACT, GO, PYTHON, BASH, CI/CD, DOCKER, KUBERNETES

- Worked on infrastructure: databases-as-a-service, Kubernetes + Spinnaker, and a serverless platform.
- Designed a utility to ingest logs emitted from a React frontend and export them to a log aggregator.
- Created a Python utility to warm the Docker registry caches for deployments and add monitoring.
- Led creation of a JVM (Micronaut) service to inject Consul & Vault contents into a serverless runtime.
- Embedded on a team (~16/hr month) building a Target-flavored create-react-app project starter kit.

ACCREDITED EDUCATION

Michigan Technological University | *B.S. Computer Engineering*

- VP of Linux / UNIX Users Group and Humane Interface Design Enterprise.
- Organized Michigan Tech's hackathon: Winter Wonderhack.

SELECT PUBLICATIONS

- Pitfalls of In-App Browsers on Frontend Masters (2024)
- Database Migrations with Alembic on TestDriven.io (2024)
- Making Mermaid Diagrams in Markdown on CSS-Tricks (2022)
- Pseudo-standard Text File Adoption Rates on my personal blog (2019)

KEY: VALUES

- **Coffee:** yes, please. Preferably a light to medium roast served black. Pour-over, if possible.
- **Interests:** driving a manual transmission, finding my N=1 bike, and using Oxford commas.

- **Buzzwords:** CI/CD, serverless, dogfooding, the Cloud, devops, *-as-a-service, AI, ML, LLM, et al.