

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.
- Debugged and fixed a misconfigured service worker cache resulting in 20% fewer helpdesk tickets.
- Reduced noisy on-call alerts by 90%: added logic to handle frequent 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 2 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.
- Mentored a group of 6 new-graduate junior software engineers providing guidance and advice.
- 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

B.S. Computer Engineering, Michigan Technological University

- 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.