

# Austin Rooks

Software Engineer

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Experienced Software Engineer with a demonstrated history of working in full stack web development. Skilled in TypeScript (React, Qwik), Rust (Actix, Axum), CSS, and SQL (Postgresql). Gumptious and curious. Interested in distributed systems.

## Technical Skills

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### Programming Languages

Rust, JavaScript, TypeScript, Python, Bash, HTML, CSS, SQL

### Frameworks/Databases

React/ Redux, GraphQL/ Apollo, Tailwind CSS, PostgreSQL, MongoDB, HTMX, Express, Axum, Actix, Flask, Django, Qwik

### Tools

Docker, Git

## Experience

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**Northwestern Mutual** | Software Engineer, III Mar. 2024 - Present

**Northwestern Mutual** | Software Engineer, II Apr. 2022 - Mar. 2024

- \* Helped implement an initial subgraph for an entire business vertical in the web and mobile transition to graphql.
- \* Reduced the entire client website's LCP by 500ms on average and an almost a full second for p90 requests.
- \* Mentored junior developers and helped teach test engineers how to write e2e test.
- \* Created a shared module that wrapped a standard express instance that provides easier testing and mocking for front end BFFs.

**Oxidized Systems** | Owner, Software Engineer Jan. 2021 - Present

- \* Previous work includes converting a headless JS app into a Qwik/ Qwik-City (TypeScript) frontend and an Actix (Rust) backend for web and native mobile clients to consume.
- \* The frontend scores 100 across every Lighthouse metric on both web and mobile. The backend test coverage is over 65%.

## Personal Projects (Self-Hosted)

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**r00ks.io** | Rust, Tailwind CSS, HTMX, Markdown, Typst

*A personal website and blog, written in Rust.*

- \* Minimal JS, uses HTMX for simple and efficient page transitions.

**Gathering Surf** | Rust, Tailwind CSS

*A surf forecast for lake surfers*

- \* Streams API responses to the client as they are resolved and parsed.

## Education

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**University of Hawaii at Manoa** | GPA: 3.69

Aug. 2009 - May. 2013

*Bachelor of Arts in English, cum laude*