

[rishikothari]

I'm a full-stack, open-source software and product engineer that helps organizations achieve their goals using cutting-edge technologies.

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[GitHub](#)

[LinkedIn](#)

[skills]

UI/UX Design, Software Architecture, Databases, Frontend Design, Iteration, DevOps, Vertical/Horizontal scaling, Market Identification

Technologies

Git/Github, Github Actions, CircleCI, Jenkins, Bolt, Express/NestJS, JS/TS, React.js, Postgres, GraphQL, Styled-n, Theme UI, MDX, Next.js, Firebase, AWS, GCP Compute, Vercel, Heroku

Analytics

Google Analytics, HotJar, Amplitude

Design

Figma, Zeplin, Sketch, InVision

[formal education]

Turner Fenton • IB Diploma '23

Math Club, DECA (Entrepreneurship & Financial clusters), FBLA, HOSA, Hack Club, TedX TFSS

[selected experience]

Makasu • Web Dev Internship

September 2020 - Present

Maintaining the Makasu platform for our early-stage customers, building infrastructure in **Ruby** and **Sorbet** on **AWS** and **frontend** features in **React**, **Redux** and **Typescript**. Proposed and implemented shift from **CSS Modules** to **Styled-System** and an atom-based cache system.

PetCode • Senior Software Architect

June 2020 - Present

Implemented **E2E encrypted, horizontally-scaling** backend using **Kubernetes**, **Postgres**, **GraphQL** and 98% test coverage suites running on **GCP** and **AWS EKS** servers. I oversee 5 full-time software engineers, and am in charge of all technological affairs on the frontend and backend side.

Turner Fenton Hack Club • Co-President

June 2020 - Present

At Hack Club, I'm currently writing **open-source infrastructure** in **Typescript** for our global club network of more than 600. I also present programming concepts at our school's chapter (one of the largest in Canada), and help organize and host events on the international stage.

Team Study • Mobile Dev Internship

June 2019 - September 2019

Corresponded directly with CEO and product team to prototype, design and ship the native Team Study **iOS** app using the newly-announced **SwiftUI** framework.

[project spotlight]

Paevik • Node, Bolt, PostgreSQL, Typescript

Minimal journal bot for Hack Club. Implemented custom encryption engine and serverless microservices architecture on Vercel and Heroku. 200+ entries in first 2 weeks of launch.

Duino • Node, Bolt, Firebase, Docker, Github Actions (WIP)

Club bot for Hack Club. Interfaces with pluggable backends (built a custom local API engine for using any realtime CRUD system). Testing system uses Firebase on GCP.

Hoot • Deno

A small school tracking CLI for staying organized. Local database uses SQLite & full-featured YAML parsing systems.