

Harry Kruger

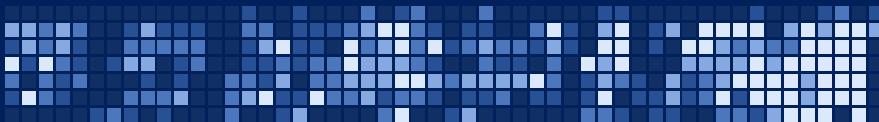
Software Engineer Building my own path, one line at a time.

Self-taught, I started programming at age ten.

50+ freelance projects in high school, mostly web automation: making sites do more than they were built to.

Captained a robotics team through three seasons.

At Smart Station since 2025, where I own **two production products**.



EXPERIENCE

Software Engineer

2025–Present

Smart Station

Remote / Port Elizabeth

Every developer here **owns their projects end to end**, from code to deployment to infrastructure. I've owned two: Kudo Coach, then Wedded World. I get product direction and some designs; I lead the rest.

- Wedded World: all-in-one business management software for wedding planning businesses. Closes the gap between couple and planner by keeping the couple involved at each step.
- Wedded World: **built an AI agent** that runs platform operations through the same RBAC as the UI, so it can only do what the person asking could already do by hand.
- Kudo Coach: a personal AI coach for every workout. Analyzes each activity from Strava, Garmin or Polar and delivers coaching feedback over WhatsApp, with a detailed report on the site.
- Kudo Coach: iterated on the AI report generation to find what actually gave athletes useful insights, while keeping it **reliable and cost-effective** to run.

Team Captain

2022–2025

FIRST Tech Challenge (CodeABots #23389)

Eastern Cape

An international robotics competition covering all areas of engineering.

- Led a robotics team from a regional ranking to an elimination-round alliance at the **South African championships**, and **won the Control Award** for best software control.
- Built high-stakes software for the competition's autonomous period, handling real-world edge cases with **control theory and computer vision**.
- Managed a large project timeline, making sure each sub-team delivered on time for the competition.

Freelance Developer

2020–2025

Self-employed

Remote

Web automation, sold on Fiverr: Tampermonkey userscripts, scrapers and Discord bots.

- Delivered 50+ projects, mostly making sites do things they were never built to do, for clients who had no way to change the site themselves.
- Scoped every job directly with the client, turning a loose description of a problem into something I could build and hand over. **5.0 across 30 reviews**.
- Clients came back with bigger work: one started with two small scripts and returned for a build thirty times the size.

\$ ssh hrry.sh

contact@hrry.sh

hrry.sh

github.com/bluescorpian

FROM

Port Elizabeth,
Eastern Cape, South Africa

SPEAKS

Afrikaans, English

LIKES

Cycling, FPV Drones, Engineering

TYPES

Dvorak

PROJECTS

hrry.sh

Go · Bubble Tea · Wish · SSH
My CV as a TUI, served over SSH.

tallybot

TypeScript · Svelte ·
Tauri · Rust · ESP32

A camera tally light on an ESP32, in use by a church video team.

github.com/bluescorpian/tallybot

tendactl

Go

Update network configurations from your terminal.

github.com/bluescorpian/tendactl

oc-ws

Lua · WebSockets

A WebSocket client for OpenComputers (Minecraft mod), built by following the spec.

github.com/bluescorpian/oc-ws

10 more at github.com/bluescorpian

SKILLS

Languages

TypeScript, Python, Java, Go,
Lua, SQL

Frameworks & Libraries

Angular, NestJS, React, Next.js,
Express, TanStack Query,
TanStack Router, Clerk, Vitest,
Playwright, TailwindCSS,
shadcn/ui

Databases

PostgreSQL, MongoDB, Prisma,
Mongoose

Cloud & DevOps

AWS, GCP, Vercel, Docker,
Coolify, Traefik, GitHub Actions,
Grafana, OpenTelemetry, Loki

Tools

Git, Linux, Nix/NixOS, Jira,
pnpm, Deno