

Santiago Orozco Holguín

Software Engineer

Medellín, Colombia + Remote

santiago@orozcoh.com · linkedin.com/in/orozcoh · github.com/orozcoh

santiago.orozcoh.com · cv.orozcoh.com

SUMMARY

Software Engineer with an Electronics Engineering background, building modern web applications from concept to deployment. Experienced with React, TypeScript, Cloudflare, PWAs, authentication, and AI-assisted development. Passionate about designing practical software products and continuously learning through hands-on engineering.

EXPERIENCE

Independent Software Engineer — Self-employed

Jun 2023 – Present · Remote · Self-employed

- Designed, built, and deployed production-ready web applications from concept to deployment.
- Developed cloud-native applications using React, TypeScript, Progressive Web App technologies, and Cloudflare's edge platform.
- Built software products exploring authentication, cryptography, AI-assisted development, and blockchain technologies.

Software Engineering Intern — TSO Mobile Colombia

Oct 2022 – May 2023 · Remote · Internship

- Collaborated with the engineering team to modernize frontend development workflows and reusable component architecture.

PROJECTS

Anthology

Local-first knowledge management platform

- Local-first knowledge platform with optional blockchain publishing and QR sharing.

React · TypeScript · Cloudflare Workers

TD Status

Cloud licensing and telemetry platform for TouchDesigner

- Built a cloud-based licensing system with heartbeat telemetry for monitoring TouchDesigner deployments.

React · TypeScript · Cloudflare Workers

Prompter

AI image generation with crypto micropayments

- Integrated x402 micropayments while protecting proprietary prompts using Cloudflare Workers and KV.

React · TypeScript · Cloudflare Workers

SKILLS

Programming Languages: TypeScript, JavaScript, Python

Cloud & Backend: Cloudflare Workers, Cloudflare KV, REST APIs, Edge Computing, Node.js

Software Engineering: Software Architecture, Distributed Systems, Authentication, Cryptography, API Design

AI & Emerging Technologies: AI-assisted Development, Prompt Engineering, Generative AI APIs, Blockchain, Passkeys (WebAuthn)

EDUCATION

Bachelor's Degree Electronics Engineering — Universidad de Antioquia

Aug 2014 – Jun 2023 · Medellín, Colombia

LANGUAGES

- Spanish — Native
- English — Fluent - B2