

HARRISON CUTRONE

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SUMMARY

Full-stack software engineer with 4 years of experience shipping consumer-facing web and mobile products at scale. Owns features end-to-end across TypeScript/React, Next.js, PHP, and React Native, with a track record of leading cross-functional projects, mentoring teammates, and delivering reliable, well-tested code.

SKILLS

Languages: TypeScript, JavaScript, PHP, SQL

Frameworks: React, Next.js, React Native, Expo, Chakra UI, SwiftUI, TailwindCSS

Backend & Data: Node.js, PHP, MySQL, PostgreSQL, Algolia

Testing & Tooling: Jest, Playwright, WebDriverIO, Maestro, GitHub Actions, Sentry, pnpm workspaces, Git

Platforms & Integrations: Shopify, Firebase, Google Analytics, Piwik/Matomo, Crowdin

EXPERIENCE

iFixit

April 2022 – Present

Software Engineer (promoted from Apprentice, June 2023) - Remote

- Led end-to-end development of a **site-wide consent management system** (GDPR, CCPA, Global Privacy Control) as the main engineer, integrating with Piwik, Google Analytics, and Shopify across a hybrid PHP and Next.js stack; unblocked a multi-store Shopify merger by replacing a deprecated third-party dependency.
- Solved cross-stack consent-state synchronization across a PHP web app and a Next.js app, handling Next.js SSR/CSR timing to ensure analytics and tracking scripts gated correctly on initial page load and geolocation-conditional rendering for regional compliance.
- **Owned the redesigned Device Picker** used across iFixit.com (~6,500 web opens/day, ~400 mobile opens/day), integrating Algolia search with a PHP backend and React/Chakra UI frontend
- Led the Device Picker effort over a 20-week scope as sole engineer driver: ran weekly status syncs, scoped and prioritized issues, and iterated on designs in tandem with managers and the design team; continued to own and extend the feature after initial launch.
- Built and launched the **iFixit mobile app (iOS and Android)** in React Native and Expo — now serving ~3.2K DAU / ~65K MAU with 4+ star ratings on both stores — including Shopify checkout, Firebase push notifications, and Google Analytics; authored the initial MVP and helped select Expo as the platform.
- Migrated the user profile edit page from legacy PHP to TypeScript and React, significantly improving mobile responsiveness and maintainability.
- Established testing practices across web and mobile using Jest, Playwright, WebDriverIO, and Maestro; authored GitHub Actions workflows for CI test runs and Crowdin translation syncs.
- Monitor production issues across PHP, TypeScript, and React Native via Sentry; triage, reproduce, and resolve user-reported bugs end-to-end.
- Work within a monorepo using shared pnpm workspaces; regularly refactor and extract shared packages to reduce duplication between the PHP and Next.js web apps.
- Reviews ~15 teammate pull requests per week across PHP, TypeScript, and React Native, and helped onboard a new engineer to the team's daily workflow (standup, issue selection, release process).
- Collaborate across a ~15-person engineering org, partnering regularly with design, the store/Shopify team, and the community and tech writing teams to ship cross-functional features.

PROJECTS

Denver Bike Fest — denverbikefest.app

- Sole web developer on a 3-person team organizing the 2026 Denver Bike Fest; designed and shipped a Next.js SPA as the primary info hub for attendees who don't use Instagram, serving **over 1.2k visits per week** leading up to the event.

Personal Website — hcutrone.vercel.app

- Designed and developed a portfolio website using Next.js, TailwindCSS, and deployed through Vercel.

Ride Playlist Tracker (WIP) - hcutrone.vercel.app/rides

- Actively creating a web app utilizing the Spotify and Strava APIs to connect my bike rides with the matching Spotify playlist

EDUCATION

California Polytechnic State University, San Luis Obispo

Aug 2020 – Jun 2023

B.S. in Computer Science • Graduated *summa cum laude* in 3 years