

Christian Low

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EXPERIENCE

Software Engineer

July 2026 – Present

Piikū Co.

Honolulu, HI

- **Architected full-stack mobile components** and REST API integrations for Foodland's Maikai Rewards app using **React Native (Expo SDK 57)**, **TypeScript**, and **NativeWind 4**, reaching **92%+ of Hawaii households**.
- **Integrated Third Party Loyalty API engine** to enable secure customer account lookups, real-time points calculations, and digital card barcode generation **decoupled from WordPress/MiniOrange auth**.
- **Accelerated UI development workflows** by establishing an isolated **Storybook design system** (Vite/Web & Native) to standardize reusable components and optimize **Tailwind CSS** styling.
- **Standardized code quality standards** across a multi-repo ecosystem by configuring **ESLint flat configs**, **Prettier Tailwind sorting**, **cspell**, and **Husky pre-commit hooks**.
- **Accelerated feature delivery** through **agile sprint cycles** with cross-functional product and design teams, combining rapid UI prototyping with **GitHub Actions** and **EAS CI/CD automation**.

Software Developer

May 2025 – August 2025

Purple Maia Foundation

Honolulu, HI

- Contributed to **Kilo Dashboard** using **Leaflet.js** and **Hawaii State GIS REST APIs** to map and visualize critical geographic, water quality, and environmental data across **high-risk island zones**.
- Synthesized user feedback from 50+ **Āina Stewards practitioners** to design interactive mapping features for **water quality measurements**, species tracking, and soil health monitoring.
- Achieved **100% REST API integration reliability** by standardizing geospatial data ingestion pipelines for **field researchers**, community volunteers, and restoration teams.
- Accelerated feature delivery cycles by establishing **collaborative code review protocols**, technical API documentation, and **standardized git workflows**.

PROJECTS

808Ultimate | *Next.js, TypeScript, Tailwind CSS, Start.gg GraphQL API*

September 2026

- Engineered a real-time tournament tracking platform using **Next.js App Router**, **TypeScript**, and **Tailwind CSS** to centralize regional Super Smash Bros. Ultimate data. tournament data.
- Architected server-side API routes integrating the **Start.gg GraphQL API** to deliver live bracket standings, player stats, and interactive Power Rankings modals.
- Optimized data pipeline performance and eliminated rate-limiting constraints by establishing an **in-memory caching layer** and revalidation strategies.

Mānoa Compass | *Next.js, Prisma, PostgreSQL, Gemini API, NextAuth.js, Vercel*

August 2026

- Architected an AI-driven event discovery hub using **Next.js**, **Prisma ORM**, and **PostgreSQL** to automatically match 100+ campus events to student profile interests.
- Integrated **Google Gemini API** to parse event descriptions and engineered automated web scrapers with an **Admin control dashboard** for site moderators.
- Slashed page load latency from **30s to sub-second responses** under API rate limits by designing a server-side caching layer and securing flows via **NextAuth.js**.

EDUCATION

University of Hawaii at Mānoa

Honolulu, HI

Bachelors in Computer Science

Graduation: May 2027

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, C, HTML/CSS

Frameworks & Libraries: React, React Native (Expo SDK 57), Next.js, Node.js, NativeWind 4, Tailwind CSS, Prisma, Leaflet.js, WebSockets

Developer Tools & Infrastructure: GitHub Actions, EAS (Expo Application Services), Storybook, Docker, PostgreSQL, Supabase, Render, Vercel, REST APIs, Husky

Testing & Testing Tools: Jest, ESLint, Prettier, Postman