

Christy Benny

Full-Stack Developer | ERP Platforms, Web & Mobile

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Profile

Full-stack developer working across both ends of multi-tenant ERP products: Python service layers and data modelling on the Frappe framework, and the Vue 3 portals and React Native apps that consume them. Experience designing OpenAPI contracts across ~2,200 endpoints, building push-delivery infrastructure, shipping Android releases, and extracting shared engines so a feature is built once and installed everywhere.

Skills

Front-End — Vue 3 (Composition API), Vite, Tailwind CSS, frappe-ui, Pinia, Vue Router, React, TypeScript, PWAs & service workers, responsive / multi-form-factor UI, design systems

Mobile — React Native, Expo (expo-router, EAS), NativeWind, Zustand, Jest, Android release builds

Back-End — Python, Frappe Framework / ERPNext, REST APIs, OpenAPI 3.1, FastAPI, Java (Spring Boot)

Databases — MariaDB, PostgreSQL, Redis

Infra & Tools — Git, Docker, Linux / WSL, Firebase Cloud Messaging (HTTP v1), Gradle, Vite

AI / Tooling — LLM API integration, prompt engineering, Claude Code skill & agent authoring, Scikit-learn

Experience

Bizaxl

Bengaluru

Junior Software Engineer

Jun 2026 – Present

Junior Software Developer Intern

Mar 2026 – Jun 2026

Platform and backend

- Worked across multi-tenant ERP verticals on the Frappe framework in a 90-app bench with ~40 provisioned sites, spanning School (81 DocTypes, ~87k LOC), Hospitality, Hospital, HR, Pharmacy, Tuition, and a legal case-management platform (92 DocTypes).
- Contributed customer-facing web portals as Vue 3 + Vite SPAs on frappe-ui, Tailwind and Pinia — including a School portal that compiles four distinct audience apps (student, parent, driver, staff) from one codebase via separate Vite configs, and a legal platform serving two role-specific portals (client and lawyer).
- Extracted cross-vertical logic into reusable engines — a shared POS engine, a generic push engine, and a biometric attendance engine — so features install into any host app instead of being reimplemented per vertical.
- Designed and generated OpenAPI 3.1 contracts for seven verticals (~2,200 whitelisted endpoints, incl. 821 for Hospital and 433 for School) using an AST-based generator that walks each app package and extracts per-endpoint role gates, replacing hand-written specs.
- Built push notifications end to end: a Frappe engine with device registry, delivery log and FCM HTTP v1 sender, plus the Expo client module — with idempotent event dispatch, audience routing and deep-link payloads. Authored the SOP now standard for every new app.

Mobile

- Shipped six Expo apps against the Frappe backends — legal case management, tuition staff and owner, hospitality front desk, and HR (Android release APK) — each 30–42 screens with Jest suites of ~40 tests.
- Kept apps on current platform versions (Expo 56/57, React Native 0.85/0.86, React 19, TypeScript 6) using expo-router, Zustand and NativeWind; handled Android release builds via EAS and Gradle.
- Built offline behaviour and local-server support for the front-desk app so counter staff keep working through network loss.

Prototyping and developer tooling

- Designed and built 17 clickable, installable PWA prototypes used to validate product direction with clients before backend work started — phone and landscape tablet form factors sharing a byte-for-byte design system, each with an automated flow check and a spec mapping every screen to the API endpoint it would call.
- Authored 18 internal Claude Code skills encoding team conventions (DocType modelling, API patterns, front-end patterns, testing, reporting) plus generators for OpenAPI specs and PWA prototypes, and four review/documentation subagents —

turning repeated knowledge into tooling other developers invoke directly.

Projects

VAIDYA — AI Telemedicine Kiosk · Python, Flask, Scikit-learn, WebRTC, PostgreSQL

- Built an AI telemedicine system for preliminary health screening and remote consultations, with a Random Forest diagnostic pipeline and NLP symptom processing exposed over REST APIs.
- Integrated WebRTC for low-latency video consultations and a real-time dashboard for patient data and AI-generated reports.

TERRA — AI-Powered Agricultural Analytics · Python, Flask, Scikit-learn, MongoDB, GEE

- Built an ML platform predicting crop yields and recommending crops from soil, weather and environmental data, enriched with Google Earth Engine and SoilGrids geospatial sources.
- Delivered the full stack: REST APIs, authentication, and community features for personalised agricultural recommendations.

Education

Presidency University — B.Tech in Computer Science · Bengaluru, India · 2022 – 2026

Achievements

Smart India Hackathon (College Level) — 2nd place for VAIDYA, an AI-based telemedicine kiosk.