PHILLIP HARMONY OBAZE

Frontend & Mobile Engineer · React · TypeScript · React Native · API Integration

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PROFILE

Frontend and mobile engineer with more than three years building user facing software in insurance and financial services. At Leadway Assurance, one of Nigeria's largest insurance groups, the sole frontend engineer on a range of web and mobile products: building the apps in React, React Native and TypeScript and integrating them with backend APIs, including REST and OpenAPI services, SignalR and WebSocket real time feeds, Microsoft Entra single sign on, product analytics and crash reporting. Two applications released to both the Google Play Store and the Apple App Store. Comfortable working through complex API documentation and authentication flows, and owning a feature from scoping through release.

PROFESSIONAL EXPERIENCE

Software Engineer, Leadway Assurance Ltd. (insurance and financial services) — Lagos, Nigeria · 2024 to Present

- Sole frontend and mobile engineer on enterprise products for internal and external stakeholders across multiple departments: React Native, Expo and TypeScript on mobile and React with Vite on the web, each app integrated with Leadway's backend APIs.
- Built and released the Property Management Application (PMA) to both stores: an offline first solution for building facilities, assets and real time maintenance workflows, with local persistence and WebSocket sync on reconnect.
- Shipped LeadwayEat, a canteen management platform, to both stores. It covers digital meal ordering, QR based staff authentication and location based vendor tracking, with companion React and Vite admin and vendor dashboards for operations staff.
- Integrated Microsoft Entra (MSAL) single sign on with application token exchange, TypeScript API clients generated from OpenAPI contracts, SignalR live order feeds and Mixpanel product analytics across Leadway web and mobile products.
- Established a shared TypeScript component library and design system spanning React Native and web, giving consistent form, table and validation patterns across products.
- Integrated REST APIs, Redux Toolkit and Zustand for state, WebSocket real time sync, and secure authentication flows; set up CI/CD on Firebase and Azure Pipelines for automated builds, testing and releases.
- Held 99%+ crash free sessions through error boundaries, rigorous testing and performance monitoring; improved building operations and canteen service efficiency by 30%.

React · Vite · TypeScript · React Native · Expo · Redux Toolkit · Zustand · SignalR · WebSockets · Microsoft Entra · Azure Pipelines

Software Engineer, Hubber Solutions Ltd. (social commerce, concurrent) — Lagos, Nigeria · 2025 to Present

- Mobile release engineering on the team building a social commerce marketplace's reseller app (Expo, React Native): set up the CI/CD pipeline and separate staging and production variants shipped to TestFlight and Google Play testing tracks.
- Added Firebase Crashlytics on iOS and Android with an in-app diagnostics screen and development network logging for faster issue triage.
- Upgraded the app to Expo SDK 57 and TypeScript 6 with type and lint checks passing, and fixed signup flows ahead of App Review.
- Set up the admin console and web app and wired them to the platform API.

Expo · React Native · TypeScript · GitHub Actions · EAS Build · Firebase Crashlytics

Software Developer, Oryx Africa — Victoria Island, Lagos · 2023 to 2025

- Built enterprise websites for Oryx Africa and Made in Africa using Angular, TypeScript and Contentful headless CMS, including a multilingual English and French implementation for francophone markets.
- Enhanced UX through micro interactions and scroll based animation with GSAP and Lottie; optimised performance, accessibility and SEO, increasing user engagement by 20%.

API INTEGRATION & AUTHENTICATION

Authentication:	Microsoft Entra ID (MSAL) single sign on and token exchange · JWT sessions in secure storage · API key auth · biometric unlock · session isolation
APIs:	REST · OpenAPI 3 contracts with generated TypeScript clients · GraphQL · webhook relay and dead letter tooling · adapter layer per provider
Real time:	SignalR hubs · WebSockets · sync on reconnect · push notifications with deep links
Observability:	Sentry · Firebase Crashlytics · Mixpanel product analytics · error boundaries
Reliability:	Offline write queues with server confirmed deletion · idempotent record identifiers · typed error handling

SELECTED PROJECTS

Pilot_Pay: Personal Savings Application

- Node.js and MongoDB backend modelling accounts, savings goals, balances and transactions, with every balance change written as a transaction record rather than edited in place, so the ledger is the source of truth and deposits, withdrawals and goal contributions stay reconcilable.
- Scheduled and automated savings running contributions on a recurring basis and posting each one to the ledger against its goal; REST endpoints serving goal progress, balances and history to the client.

Node.js · MongoDB · REST APIs · scheduled jobs

Routelift: Offline First Clinical Data Capture

- Field application for recording pharmacy pickups in health facilities with unreliable connectivity. Inherited a loosely structured codebase and restructured it into clean architecture with core, features and shared layers, get_it dependency injection and a dio client returning typed Either results.
- Built the offline write queue on Hive: every pending record carries a UUID and is removed from local storage only after the server confirms acceptance, so a failed upload can never lose a record. Sync runs automatically on reconnect with connectivity rechecked before each upload and a single flight guard preventing overlapping runs.

Flutter · Dart · Hive · build_runner · connectivity_plus · dio · get_it · provider · dartz

Custom Date Range Plus: Published Flutter Package

- Reusable date range selection package on pub.dev, 150/160 quality score through documentation, worked examples and tests; 120+ downloads in the first three days.

TECHNICAL SKILLS

Frontend:	React 18 · Next.js · Vite · TypeScript (strict) · JavaScript · Tailwind CSS · shadcn/ui · Radix · Angular · Vue.js · HTML5 · CSS/SCSS
Mobile:	React Native · Expo · Expo Router · NativeWind · Flutter · Dart
State & Data:	TanStack Query · TanStack Table · Zustand · Redux Toolkit · React Hook Form + Zod · Provider · Riverpod

APIs & Real time: REST · OpenAPI · GraphQL · Webhooks · WebSockets · SignalR · Firebase Cloud Messaging

Backend & Storage: Node.js · MySQL · SQLite · Firebase (Auth, Firestore) · Hive · Realm

Testing & Tooling: Vitest · Playwright · Flutter test · ESLint · Prettier · Turborepo · pnpm workspaces · Husky · Git/GitHub

Cloud & CI/CD: Azure Pipelines · Firebase · EAS Build · App Store Connect · Google Play Console · nginx

PUBLISHED APPLICATIONS

Property Management Application (PMA): Google Play Store & Apple App Store

LeadwayEat (Canteen Management): Google Play Store & Apple App Store

Hubber (team project): TestFlight & Google Play closed testing

Custom Date Range Plus: pub.dev

EDUCATION & CERTIFICATIONS

BSc Mathematics, Mountain Top University, Ogun, Nigeria · September 2018 to September 2022

Java Programming & Android Development (New Horizons) · Data Science Math Skills (Duke) · Introduction to Calculus (University of Sydney) · Python Basics and Data Science in Python (University of Michigan) · Getting and Cleaning Data (Johns Hopkins)

LEADERSHIP

Vice President, Student Union, Mountain Top University · Sep 2021 to Sep 2022. Led student government initiatives across academic, welfare and extracurricular programmes for 2,000+ students.