

Orji Joseph

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Summary

A forward-thinking full-stack engineer with over 7 years of hands-on experience building high-quality mobile and web applications using modern technologies. I have a strong foundation in software design and architecture, with a focus on creating scalable, efficient, and user-centric solutions.

I am proficient in JavaScript and TypeScript, and experienced with technologies such as React, React Native, Expo, and React Query. On the backend, I design and build scalable RESTful APIs using Node.js and Express.

I am passionate about continuously improving systems, developing robust tools and infrastructure, and delivering performant, reliable software products.

Skills

Android, iOS Development, React, React Native, JavaScript, Typescript, Kotlin, Swift, Redux, GraphQL, HTML, CSS, Nodejs, Express.js, Firebase, Golang, SQL, PHP

Experience

JIFU360 | Lead Mobile Engineer | Dubai, United Arab Emirates

JIFU360 is a comprehensive trading education platform built with React Native (Expo), combining social feeds, live streaming, AI assistance, broker integrations, and a full course academy.

- Built the entire mobile application from scratch using React Native (Expo), TypeScript, Zustand with MMKV persistence, and TanStack Query following a domain-driven types → service → hooks → screen module pattern.
- Built a live WebRTC streaming system using the Dolby Millicast SDK and react-native-webrtc, including native iOS Picture-in-Picture support via a custom AVPictureInPictureVideoCallViewController + AVSampleBufferDisplayLayer native module with I420 → BGRA frame conversion.
- Integrated MT4/MT5 broker connectivity via a .NET REST API and a Go-based WebSocket/assets service, enabling real-time trade placement, global trading ideas, and copy-trading flows.
- Implemented real-time in-app chat using PubNub with cross-platform message format normalisation and a custom content moderation pipeline for link detection.
- Delivered push notifications via Firebase Cloud Messaging and OneSignal.
- Managed CI/CD and over-the-air updates through Expo Application Services (EAS).

Sinimax | Lead Mobile Engineer

Jan 2025

- Architected the entire mobile application from scratch using React Native (Expo), TypeScript, NativeWind, and a component system.

- Built a full authentication system integrating Google OAuth via Firebase and SuperTokens session management.
- Engineered a cross-platform video player with platform-specific fullscreen handling: native AVPlayerViewController on iOS and a manual absolute-overlay approach on Android, resolving sync and callback edge cases.
- Designed and implemented the subscription and billing flow using a consumption-only model compliant with App Store and Google Play guidelines.
- Managed global state with Zustand (persist middleware) and server state with TanStack Query, including cache invalidation and optimistic updates across the app.
- Used React Native Reanimated and Gesture Handler to deliver fluid animations throughout the app, including shimmer skeletons, animated headers, and collapsible tab views.

RightNow MD | Lead Mobile Engineer | United States

2024 – 2025

- Built a full telemedicine app from scratch using React Native and Expo, connecting patients with doctors through video calls, in-home nurse visits, clinic appointments, and provider sessions.
- Built separate booking paths for each session type (video, nurse visit, clinic, provider), with custom screen routing, session creation, and payment checkout logic tailored to each one.
- Integrated VSee ClinicKit for HD video consultations, using secure SSO token login so patients can join video calls directly without a separate sign-in step.
- Built a live location tracking feature using WebSockets (Socket.IO), letting patients watch their visiting nurse's position update on a map in real time while waiting for an in-home appointment.
- Built DOKITA, an AI medical chat assistant powered by the Anthropic API (Claude Sonnet), with auto-detection of questionnaires that turn follow-up questions into tap-able Yes/No buttons for easier patient responses.
- Added a waiting room timer that only shows the "Join Call" button within 15 minutes of the appointment start, using UTC time comparisons to keep it accurate across all time zones.
- Set up Firebase push notifications for appointment reminders, incoming call alerts, and provider assignments using @react-native-firebase/messaging.
- Deployed the app to TestFlight and Google Play using EAS Build, managing production configs, permissions, and app store submission requirements for both iOS and Android.

Lenbi | Lead Mobile Engineer | Canada

2024

- Built the full mobile app from scratch using React Native, TypeScript, and Expo, a peer-to-peer equipment rental marketplace where users can both rent out their own items and borrow from others, with support for both phone and tablet screens.
- Built a real-time in-app chat system using WebSockets, with message history, file attachments stored on Firebase Storage, and a safety feature that automatically blocks users from sharing personal contact details inside conversations.
- Integrated Stripe for secure payments, including Apple Pay, Google Pay, voucher-based checkout, and Stripe Connect for lender payouts, allowing equipment owners to track their earnings and withdraw money directly to their bank account.
- Added ID verification using Stripe Identity, requiring lenders to verify their identity before listing items, and built the complete Google and Apple sign-in flows with proper handling of loading states and cancelled attempts.
- Built a location-based search using expo-location and Google Places Autocomplete, showing nearby

listings sorted by distance and filtered by category, with a date-range calendar for checking item availability.

- Built the multi-step item listing flow covering photos, pricing, availability, and location — with step-by-step form validation using Formik and Yup, and an animated success screen on completion.
- Set up push notifications via OneSignal and built a rewards points system that gives users points for completed bookings, referrals, and other activity on the platform.
- Kept the app fast by using Flash List for long item lists, React Query to cache server data, and fixed iOS build issues caused by conflicts between the Stripe SDK and other native packages.

OneWallet MFB | Lead Mobile Engineer | Nigeria

June 2024

Leading the mobile engineering and working with a team of designers and a backend developer

- I break down complex features into manageable tasks and use ClickUp to assign tasks to my team members.
- I defined coding standards and architecture patterns (i used MVVM, Zustand), and ensured consistency.
- I implemented critical security measures, such as end-to-end encryption, secure storage, and token management.
- We worked with the product designers, and I led the team to build a pixel-perfect User Interface
- I built features like authentication (biometrics, 2FA), Wallet, payments, and Bank-to-Bank instant money transfer, push notifications, internationalization, and Contact-Less payment using QR code
- I integrated Sentry to monitor production bugs and app stability.
- I used React TanStack Query for an API call to cache server state and enhance app performance
- I facilitated the app production release and ensured the app met platform guidelines during the submission/review process.

EvriCent | Lead Mobile Engineer

Feb 2024

Leading the mobile engineering and working with a team of designers and a backend developer

- I built an AI-powered spending and repayment system
- Built entirely with React native CLI using typescript, integrated react query for caching server state
- Integrated Social Auths like Apple Auth and Google authentication
- Integrate Push notification and In-App messaging
- user React native reanimated for smooth animation and transition to give users a more intuitive user experience.
- Integrated Plaid SDK to connect user's bank credit card
- Integrated Stripe SDK to enable user subscription

Delta Digital | Lead Mobile Engineer

May 2023

As the lead mobile engineer, I worked with TypeScript, Redux, React-query, Functional Component, React Hooks, etc

- I built dynamic pixel-perfect and reusable mobile components using Typescript, Javascript, and

stylesheet API.

- Integrated the Binance Price ticker API to display live crypto prices to enhance trading.
- An integrated crypto trading Bot feature built with Python programming language.
- By building reusable components, I made page interaction, and navigation smoother, reduced the code base by 15%, and improved the overall user experience.
- Designed the UI of the entire app using Figma and Translated the designs into pixel-perfect mobile interfaces in functional react native.
- Developed, tested, and maintained high-quality mobile applications using React Native
- Added Apple In-App purchase and subscription using Revenue cart.
- Collaborated with cross-functional teams, including backend developers, and project managers, to define, design, and ship new features.
- Participated in code reviews and ensured high code quality
- Stay up-to-date with new trends, technologies, and best practices in mobile application development

Gateway Edu | **Lead Mobile Engineer**

Jun 2022 - Feb 2024

- I was part of the core team that built the mobile software that made crypto education intuitive across Nigeria, UK and some other African countries.
- As the head of mobile engineering, I built scalable crypto education mobile software using modern React-native, and React Navigation architecture.
- I integrated Google OAuth, Apple OAuth, and Facebook OAuth making sign-in and sign-ups easy.
- Using react-query for REST network requests, the API response is cached to make interaction faster.
- As part of my responsibility, I built a gaming adventure system that allots users some points after completion.
- As part of the core features, I built an interactive community system, where users can create communities make posts, like comments, block other users, and leave a community.
- I also implemented a push notification using the Firebase cloud messaging service.
- I also integrated AppsFlyer for analytics and tracking user activities while using the app.
- In 4 months of using technologies like React-native, redux, react-query, and typescript I completed and shipped the mobile software to AppStore and PlayStore.
- By working with a team of Game character designers I integrated the web3 gaming feature into the app

Brace Finance | **Engineering Lead**

Jun 2022 - Jan 2023

- We built DeFi mobile software that enabled users to Buy crypto, save, send, swap, and track spending.
- As engineering lead at Brace, I interpreted complex app UI from Figma to code using react-native and Skia to build complex virtual card UI.
- I developed an identity architecture with modern APIs, UI & UX patterns, and built a robust system to verify every user by collecting sensitive information like live images, Facial recognition, biometrics, and government-issued IDs.
- I tracked and fixed critical app issues like crashes by integrating Sentry, which Reduced app crash rate by 20% on low-end Android devices by integrating Sentry and optimizing API calls.
- I was also responsible for Mentoring junior and mid-level engineers, Growing the engineering

team, and maintaining a leading edge in development practices.

- I shipped the software to various mobile stores, also using Expo Application Service.

PortsConnect | **Lead Mobile Engineer**

Jun 2022 - March 2023

- I was the frontend engineer in a team of 4, we built an interactive mobile software for scheduling meetings and creating appointments
- I was in charge of building the mobile and web software using react-native, redux, Reactjs, react-query Socket-io client, and typescript and shipping the AppStore and PlayStore
- As part of the requirement for version 2.0, businesses and customers are able to interact through real-time chat I built using socket io, this feature and others are so important we were able to onboard over 3000 businesses in a couple of months.
- Later on, I Built a subscription-based feature that offered more features to users and also created revenue for the company.
- I was also responsible for providing technical and non-technical support in navigating the shipping of the product to production (PlayStore and AppStore) using Expo EAS

BluetanksEV | **Lead Mobile Engineer | United States**

May 2022 - Oct 2022

- At Bluetanks we built a smart navigation system that assists users in locating the nearest electric car charging station anywhere in the United States, users are able to sort between the fastest and cheapest charging stations.
- With the help of the live location architecture I designed the system is able to find charging stations using the user's current location, We integrated Google Maps to help users navigate more easily.
- Using React-native as the core technology and enabling Google Maps and Google Places API from the Google Cloud console.
- I also integrated a seamless payment flow using a stripe, without compromising the safety of users' Debit cards
- I also implemented a push notification using the Expo push notifications.
- I also built an intuitive administrating dashboard for the registered charging stations and we were able to onboard 35,000 charging stations in the US.
- In compliance with App and Google user data privacy and other requirements, I shipped to the Mobile Stores

Sumotrust | **Lead Full Stack Engineer**

Jan 2022 - Feb 2023 (1yr 1 month)

- As the lead frontend engineer, my responsibilities span across designing mobile and web products through careful user research, and also building a chain of mobile infrastructure that helped manage users' finances using React-native and React (Typescript)
- I built a naira savings system that allows users to deposit local currencies and also save to earn APYs
- I built a long with a backend engineer we designed a secure investment, money gifting system that managed large sums from over 10,000 users across the world
- Using React-query I cached server state, and redux to manage client state, also with special tools I removed console statements in production.
- Storing important keys in .env and user tokens in a secure store, and authenticating users through

biometric or PIN requirements minimized any security vulnerability.

- As part of my responsibility, I shipped various versions of the product to mobile app stores, after collecting user feedback and refactoring parts of the code to improve performance.

Truzact | Full Stack Engineer | Nigeria

Nov 2020 - Apr 2022

Truzact is a CEx Crypto savings, investment mobile, and web software I designed in Figma the user interface through thorough user research and built the software using Technology like React-native (Expo managed), Redux for state management, and Typescript to maintain a clean, readable codebase

- I utilized the infrastructure provided by CoinGecko to build a fast crypto price ticker with live price updates for over 80 crypto assets listed on the platform.
- I built a crowdfunding/donation system that lets users easily raise funds from family and friends, this particular onboarded an additional 1,000 users within 2 weeks of release
- I also put reasonable effort into Fixing critical app crashes and slow performance by removing console statements, removing unused imports, writing styles in react-native stylesheet API, and caching server state with react-query and Client state with Redux toolkit.
- I applied all essential measures like building reusable components to maintain a consistent view across the app. I built custom features like wallet address authentication using Regex instead of sourcing for NPM packages, this essentially improved app performance and usability.
- For more robust UI implementation I used Chakra UI as the core UI library for the web app
- I was also responsible for shipping the mobile app to production (PlayStore and AppStore)

Crowdfacture | Full Stack Engineer

Sep 2019 - Oct 2021

CrowdFacture is a community-driven investment platform.

- During my time as the senior engineer at CrowdFacture, I designed a complex HiFi user interface in Figma
- I was also responsible for building the web application using react.js, and Redux for client state management
- I built the mobile software (Ios and Android) using React-native (Expo), Redux
- As part of my responsibility I published the mobile to Google PlayStore and Apple Appstore

CheckNCommit | Full Stack Engineer

Oct 2019 - Aug 2020 (11 months)

- While at ChecknCommit I was solely in charge of building, and designing a Business Rating software which was ChecknCommit main product, a Business, and User facing web software that lets businesses register through a membership plan and customers they've done business with offline can also create a free account and give ratings, a lot like TrustPilot.
- I built the software using React.js, Class component, Redux, Firebase cloud function, and node.js, ExpressJS for the backend, and the UI I designed it using Adobe XD.

OPEN SOURCE PROJECTS

React native credit card Text Input with validation

I Designed and built a react-native NPM package, rn-credit-card-textinput is an input field that accepts and validates credit cards, which works for both Expo and React native CLI with Typescript support

Link: <https://www.npmjs.com/package/rn-credit-card-textinput>

React native animated bottom tab navigation

This is a production-ready React native custom Bottom tab navigation, fully customizable with different variants and excellent Typescript support, I designed and built this NPM package to help developers get started quickly with a nice bottom navigation tab for their projects

Link: <https://orjiace.github.io/rn-slick-bottom-tabs/>

Education

Zero To Mastery Academy Computer

Software Engineering 2019 - 2020

React software development through the use of technologies like React, redux, Gatsby, Firebase

Petroleum Training Institute

High School Diploma, Computer science, and information technology

2017 - 2020

Abia state polytechnic

National Diploma, Computer science

2014 - 2016

Licenses & Certifications

Design Thinking: Understanding the Process - LinkedIn

React Hooks - LinkedIn