Uday Singh

Mobile Engineer | React Native, Expo, TypeScript, iOS & Android
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SUMMARY

Mobile engineer with 1.5 years building **cross-platform React Native apps with Expo** for international clients, from secure sessions and offline-safe state to **push notifications**, real-time chat and **EAS release pipelines**. Comfortable owning the Node.js, MongoDB and Supabase backends behind the apps.

EXPERIENCE

KajKarma — Apr 2025 – Present
Full-Stack Software Engineer (mobile-focused) — *Remote*

Uniglo Diamonds — B2B Diamond Trading App | Expo 54, Expo Router, NativeWind, Reanimated **2026**

- Shipped an **iOS and Android** app (11 screens across auth and tab route groups) through **v2.0.3**, with EAS build profiles, per-environment API URLs and an **OTA update channel** with appVersion runtime versioning.
- Built **faceted search across 20 filter dimensions** (4Cs, measurements, lab, price) with debounced search, sorting, pagination, skeleton loaders and pull-to-refresh.
- Built the account lifecycle over 20 REST endpoints, including **OTP-verified registration** and **in-app account deletion for App Store compliance**, and an axios client whose **single-fire 401 event** turns concurrent failures into exactly one logout.

GoldLink Pro — Jewellery Workshop App (3 roles) | Expo 54, Redux Toolkit, Socket.IO, FCM, Express, Redis **2026**

- Built the **end-to-end push pipeline**: FCM token register/unregister endpoints, Android notification channels, foreground suppression, a socket-to-banner bridge and **deep-link routing** from notification taps.
- Designed a **disk cache for chat media** (expo-file-system) keyed by a stable hash of the S3 key instead of rotating presigned URLs, with a **250 MB cap** and de-duplicated downloads; extended Socket.IO order chat with document attachments.
- Owned release engineering: **EAS profiles** (dev client, APK preview, auto-increment production) and store-review setup.

Naval — Attendance & Payroll App | Expo 54, Expo Router, Zustand, Express, MongoDB **2026**

- Built the **session layer on both ends**: 1-hour access JWTs with **rotating 90-day refresh tokens** stored as SHA-256 hashes with reuse detection, and a **single-flight axios refresh interceptor** on the client.
- Built admin payroll screens (attendance grid editor, salary and bonus progress, IST-correct attendance log; **2,840+ lines**) and **9-category network-error classification** with inline banners and an error boundary.

Web Platforms | Next.js, React, Node.js, OpenAI **2025 – 2026**

- Also built the web side for clients: a sole-developer multi-tenant CRM (InstaPath), a 6-locale Next.js diamond marketplace, and **streaming AI shopping assistants** with tool calls and SSE.

PROJECTS

Loan Tracker — Lending App (client, sole developer) | Expo 54, Expo Router, Zustand, NativeWind, Supabase **2026**

- Built solo an **Expo app with 15 screens** (react-hook-form + zod, Zustand) and a React web dashboard on one Supabase backend with **row-level security on all 5 tables**.
- Stored Supabase JWTs in **expo-secure-store via a custom chunked adapter** that gets around the 2 KB per-key limit; added a **bcrypt-hashed PIN lock** and scheduled local reminders before each due date.

TECHNICAL SKILLS

Mobile: React Native, Expo (SDK 54), Expo Router, EAS Build / Submit / Update, NativeWind, Reanimated
Native APIs: Push notifications (FCM, Expo push, local), deep linking, secure-store, file-system, image picker, camera, document picker
State & Data: Zustand, Redux Toolkit, axios interceptors, react-hook-form, Zod, Socket.IO, Supabase
Languages: TypeScript, JavaScript, Python, SQL
Backend: Node.js, Express, MongoDB, PostgreSQL, Redis
Web & DevOps: React, Next.js, Tailwind CSS, GitHub Actions, AWS (S3, EC2, Lightsail), Docker

EDUCATION

DSMS College of Tourism and Management — 2022 – 2025
*Bachelors in Computer Application – **CGPA – 8.9*** — *Durgapur, West Bengal*