TAQI TAHMID TANZIL

AI-First Senior Product Engineer · Mobile + Backend + Applied AI | I ship the app, its API and its AI features end to end

Dhaka, Bangladesh (UTC+6) · Remote or relocation · Full-time, contract or EOR

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PROFESSIONAL SUMMARY

I build whole products: the app, the backend and the AI inside it. **9 years** in mobile, **20+ apps shipped**, and five products of my own since May 2026. AI runs on the phone first; anything sent to a cloud needs user consent, a rate limit and a cost ceiling. At Truely I led mobile while downloads grew from about **4,500 to 150,000+**. Looking for AI product or applied-AI roles where I own the app, the backend and the AI behavior.

WORK EXPERIENCE

Taqsoft | AI-First Product Engineer (Independent) May 2026 – Present · Remote

Five products shipped alone, four on Google Play: the app, the backend, the billing and the AI. I decide what runs on the phone and what is allowed to cost money.

- **TaqLens** (Android live on Google Play, iOS built; 13 languages) – The offline-versus-quality trade-off, handled on purpose: ML Kit and Apple Vision translate on the phone for **$0 per use**, and a cloud tier (my FastAPI service on Cloud Run calling Gemini) gives better translations and explanations only after separate user consent. **15 requests/min and 300/day per client**, schema-constrained output, no text stored. **230+ tests**, free-tier infrastructure.
- **Owned the TaqLens launch crash** – v1 crashed on open: the shrinker renamed an ML Kit class and a stale bundle shipped. Found the cause, **shipped the fix in a day**, wrote the post-mortem, and added a script that blocks a stale or broken bundle before upload.
- **Savecount** (Google Play) – Typing in warranty details is the step people skip. The card scan runs **fully on the phone** (ML Kit plus a rule-based parser that flags low-confidence fields), so it costs **$0 per scan**, photos never leave the device, and Pro can be a **one-time purchase** (RevenueCat) instead of a subscription.
- **Vexylt** (Google Play + vexylt.com) – FastAPI and PostgreSQL backend on Cloud Run where the rules live on the server: **Free-plan limit enforced server-side, Pro set only by the payment webhook**, ~**580 tests**, CI. Found a readiness check using **81% of the database free tier** and replaced it with one that does not touch the database. The apps switch from Firebase to the API behind a remote flag.
- **Ignyr** (Google Play) – Flutter habit and streak tracker: recurring schedules, local reminders, streak statistics, global leaderboard, premium tier, Firebase sync. **SmartJSONViewer** (smartjsonviewer.com) – JSON formatter and explorer in React and Vite.

Kotlin Multiplatform · Flutter · Python · FastAPI · PostgreSQL · Gemini · ML Kit · Cloud Run · RevenueCat · Google Play Billing

Truely Travel eSIM | Mobile Team Lead / Software Engineer Mar 2025 – Apr 2026 · Remote · Singapore

Led the mobile team through a full rebuild of Truely's travel eSIM app and owned mobile delivery from architecture to store release.

- **Downloads grew from roughly 4,500 to 150,000+** (100,000+ App Store, 50,000+ Google Play) while I led mobile.
- **Release cycle cut by 40%**: built the Fastlane and Codemagic pipeline and owned App Store and Google Play releases end to end.
- Rebuilt the app in **Flutter on Clean Architecture** (Bloc, use cases, repositories) so features could be built and tested in isolation.
- Flutter could not reach eSIM activation, so I wrote **native Android modules in Kotlin** and exposed them through platform channels.
- Integrated Stripe payments, redesigned onboarding and added localization; used crash and performance analytics to fix device-specific issues across the Android fleet.
- **Managed one mobile engineer**, ran mobile interviews and owned hiring decisions; led delivery with product, design, QA, backend and support.

Flutter · Dart · Kotlin · Clean Architecture · Bloc · Platform Channels · Stripe · Fastlane · Codemagic

Potential Inc. | Senior Software Engineer Feb 2024 – Feb 2025 · Remote · Seoul, South Korea

- A clinical monitoring app cannot lose readings when a Bluetooth device drops. I led **Dexulin**, a diabetes-monitoring Android app (Kotlin, Jetpack Compose, MVVM): Google Fit and **BLE-connected InBody medical devices** streaming biometrics in real time, with defensive handling of dropped connections, plus **on-device body-movement detection with ML Kit and MediaPipe**.
- Built a BLE Flutter app for forklift operators to work with warehouse hardware, and designed and shipped TOMO, a Flutter community app, owning scoping through delivery on both.
- Shipped 5+ Android and Flutter apps across healthcare, industrial IoT and social; a reusable Flutter/Bloc project skeleton I built was adopted team-wide and **cut new-project setup time ~20%**.

- Mentored 2–3 junior developers and interviewed mobile candidates.

Kotlin · Jetpack Compose · MVVM · BLE · Google Fit · ML Kit · MediaPipe · Flutter · Bloc · Firebase

QuirkyBuddy Inc. | Senior Software Engineer (Contract) Dec 2023 – Jan 2024 · Remote · New York, USA

- Short mobile consulting engagement: built against the product's GraphQL API, reviewed implementation approaches and guided mobile architecture and maintainability.

Dhrubok Infotech Services Ltd. | Software Engineer | Mobile Team Lead Feb 2021 – Jul 2023 · Dhaka, Bangladesh

- Led a **banking app in Flutter from scratch** for a bank client (name confidential), managing two developers through to release.
- **Managed 2–3 mobile engineers** and led delivery across cross-functional teams of 4–5 (backend, QA, UI/UX, mobile); owned mobile hiring, onboarded new engineers and set code review standards.

Miaki Media Ltd. | Android Developer Jun 2018 – Jan 2021 · Dhaka, Bangladesh

- Sole developer on most projects, building telecom VAS Android apps for one of Bangladesh's leading operators, with carrier subscription billing and operator-grade authentication.
- Owned the Google Play console and releases; migrated the legacy codebase from Java to Kotlin and **cut crash rate 30%** through systematic profiling.

Binary Ventures Ltd. | Junior Android Developer Sep 2017 – May 2018 · Dhaka, Bangladesh

- Built an Android ride-sharing app in Java with one other developer: real-time map tracking, driver-rider matching and trip management on Firebase.

SIDE PROJECTS & OPEN SOURCE

- **Coke Studio ticket authentication** (collaborative side project) — Android ticket scanning with offline fallback for a concert of **10,000+ attendees, with zero downtime** under live-event load.
- **Payway Salary** (contract) — mobile app for an earned-wage-access provider in Panama; built the employee withdrawal-request flow.
- **Mobile reference codebases** — the same offline-first app in Kotlin Multiplatform (SQLDelight, Ktor, StateFlow), Android (MVVM/Clean, Room, Retrofit, Hilt, WorkManager) and Flutter (Clean Architecture), on github.com/t-t-tanzil.

TECHNICAL SKILLS

AI features: Gemini via own FastAPI backend · Structured outputs · Rate limiting & consent design · On-device ML (ML Kit, Apple Vision, MediaPipe) · AI-assisted development (Claude Code)

Backend: Python · FastAPI · PostgreSQL · REST APIs · GraphQL · Firebase (Auth, Firestore) · Google Cloud Run · Docker

Cross-platform: Kotlin Multiplatform (SQLDelight, Ktor Client) · Flutter · Dart · Bloc · Platform Channels · SwiftUI

Android: Kotlin · Jetpack Compose · Coroutines & Flow · Hilt/Dagger · Room · Retrofit · WorkManager · Multi-module

Architecture: Clean Architecture · MVVM · Offline-first sync · Modularization

Devices & payments: BLE · eSIM activation (native Android) · Google Fit · Stripe · Google Play Billing · RevenueCat · Carrier billing

Release & CI/CD: Fastlane · Codemagic · GitHub Actions · GitLab CI · Gradle · Play Store & App Store release (signing, provisioning)

Testing: JUnit · Espresso · Mockito · Flutter widget tests · pytest · Unit, integration and UI tests

Leadership: Team lead · Hiring · Mentoring · Certified Scrum Master · Sprint facilitation · Stakeholder communication

EDUCATION

M.Sc., Information Technology — Institute of Information Technology, Jahangirnagar University, Bangladesh (2017–2019)

B.Sc., Computer Science & Engineering — University of Asia Pacific, Dhaka, Bangladesh (2013–2017)

CERTIFICATIONS

Claude Code in Action — Anthropic · Kotlin Multiplatform Development · Certified Scrum Master (CSM) — Scrum Alliance · National Mobile App Developer Training — Ministry of ICT, Bangladesh · Certified Frontend Engineer (Flutter) — Mangtas