

SHAFOON AHANGER

+91-7006406349

✉ shafoonmushtaq@gmail.com

🌐 linkedin.com/in/shafoon

📍 Bengaluru, India

Summary

Senior Software Engineer with six years of experience building enterprise mobile applications in Flutter and Android. Have worked directly with clients to translate business requirements into working systems, integrating code into enterprise platforms across fintech, IoT, and business intelligence. Experienced with agile delivery, cross-functional collaboration, and cloud-backed mobile services. Built and shipped on-device AI inference in production. Use AI-assisted development tools daily to accelerate delivery and improve code quality.

Key Deliveries

myD&B Mobile — Dun & Bradstreet (via Virtusa): Contributing to the architecture and delivery of a Flutter and Android enterprise app used by businesses globally to assess company credit and risk. Working across 50+ REST API integrations on Android and iOS, with IBM Trusteer device security, Bloomreach engagement tooling, and Gainsight analytics built in.

ECP Fintech Platform — Icreon: Led a 5-person team delivering a government-backed credit management app to 30,000+ users across Web, iOS, and Android simultaneously. Owned sprint planning, architecture decisions, code reviews, and a 3-platform CI/CD pipeline alongside feature development.

On-device AI — Secomind: Designed and implemented a face detection pipeline using MTCNN and FaceNet running entirely on commodity Android hardware — no cloud, no GPU — achieving 90%+ accuracy in production across 7–8 kiosk locations in the US. Also built the Android broadcast layer that connected the main vending app to a hardware middleware service controlling dispensing motors and a Nayax payment terminal.

Experience

Senior Software Engineer

Virtusa, Client: Dun & Bradstreet

May 2025 – Present

Bengaluru, India

- Translating client requirements into mobile features on the myD&B app — a Flutter and Native Android enterprise tool used by businesses globally to check company credit and risk profiles.
- Contributing to mobile architecture on an established codebase — defining patterns, improving structure, and ensuring new features integrate cleanly across 20+ API endpoints on both Android and iOS.
- Use **Gemini CLI and Gemini Code Assist** as part of daily development — test generation, logic review, edge case analysis, and documentation. Reduces time spent on non-feature work each sprint.
- Worked with **IBM Trusteer (TAZ) SDK** — root detection, Frida hook detection, and anti-tampering controls that protect client-side data against mobile fraud.
- Worked with **Bloomreach** for push and in-app messaging, and **Gainsight** for product analytics — both feed directly into client roadmap decisions.
- Handle REST API integration end to end — request modelling, error handling, retry logic, and offline degradation for unreliable network conditions.
- Coordinate Android and iOS releases in parallel using Git and CI/CD, working across time zones with the client delivery team.

Senior Flutter Developer

Icreon

November 2023 – April 2025

Noida, India

- Led a 5-person team building and releasing a government-backed fintech app to 30,000+ users across Web, iOS, and Android — credit card management, digital payments, and account dashboards.
- Handled sprint planning, task breakdown, and code reviews alongside own development. Primary technical contact for QA and design teams throughout the engagement.
- Used **Cursor IDE with Claude models** — state logic refactoring, test case generation, and reducing repetitive work across a large multi-platform codebase.
- Built biometric login (Face ID and fingerprint), Firebase Cloud Messaging push notifications, and secure payment flows — each requiring careful security design and edge case handling.
- Set up a 3-platform CI/CD pipeline (Web, iOS, Android) in a single automated flow — removed manual deployment steps and made releases consistent and predictable.

- Managed state across the app using Riverpod — offline, sync, and error states — with architecture clean enough for developers to onboard without a long handover.

Android Developer

Secomind

November 2021 – September 2023

Ahmedabad, India

- Built an Android application for a smart vending kiosk running fully offline — product dispensing and point-of-sale across 7–8 retail locations in the US.
- Designed and implemented **on-device face detection using MTCNN and FaceNet** with no cloud or GPU dependency, achieving 90%+ accuracy in production for identity verification within the vending workflow.
- Built an Android broadcast integration layer between the main vending app and a hardware middleware service, enabling communication with dispensing motors and a Nayax payment terminal — decoupling the app from direct hardware dependency.
- Participated in client discussions on feature scope and timelines — translated technical constraints into delivery estimates the client could plan around.
- Built the offline data layer using Room and WorkManager — sync, conflict resolution, and background jobs for intermittent connectivity.
- Applied MVVM with Jetpack components and Dagger 2. Maintainability was a primary requirement given the multi-year product lifecycle with a small team.
- Integrated TreezPOS APIs for POS transactions and MaxSIP APIs for eligibility verification and automated device dispensing.

Flutter Developer

Rationaltabs Technologies

September 2020 – October 2021

Srinagar, India

- Built a school management ERP from scratch, used across multiple schools on Android and iOS — attendance, fee collection, timetables, and parent communication. Applied Clean Architecture and TDD throughout.
- Gathered and refined requirements directly from school administrators — translating non-technical needs into clearly defined product features.
- Integrated Razorpay for fee payments, Firebase Cloud Messaging for push notifications, and SQLite for offline data access.

AI Tools & Practices

Gemini CLI & Gemini Code Assist (Virtusa, 2025–present) — Daily use for code review, test generation, and documentation on a live client engagement. Part of a structured AI-assisted engineering workflow.

Cursor IDE with Claude models (Icreon, 2023–2025) — Used across a multi-platform codebase for state logic refactoring, test generation, and iteration speed improvement.

MTCNN + FaceNet on-device inference (Secomind, 2021–2023) — Production ML pipeline on commodity Android hardware. 90%+ accuracy. No cloud, no GPU. Designed and tuned for real constraints in a live environment.

Virtusa Generative AI Assisted Engineer — Internal certification in applied Gen AI workflows for software engineering.

Skills

Mobile: Flutter, Dart, Android (Kotlin, Java), Clean Architecture, MVVM, TDD, Riverpod, BLoC, Jetpack

AI / On-device: MTCNN, FaceNet, on-device inference, Gemini CLI, Gemini Code Assist, Cursor IDE

Security & Analytics: IBM Trusteer TAZ, root/hook detection, Bloomreach, Gainsight

Backend & Data: REST APIs, Retrofit, Firebase (Cloud Messaging, Realtime DB), Dagger 2, Room, SQLite

Delivery: Git, CI/CD, DevOps, Agile, Jira, sprint planning, code review, cross-functional collaboration

Education

Chandigarh University

B.E. Computer Science and Engineering — CGPA: 8.33 / 10

Mohali, Punjab

2016 – 2020