

Aafaq Ali

Senior Android & AOSP Engineer

Islamabad, Pakistan (open to remote) aafaq@msn.com [+92 312 3713004](tel:+923123713004)
aafaq.com.pk linkedin.com/in/aafaqali github.com/AafaqAli

SUMMARY

Senior Android and AOSP engineer with 8+ years shipping both halves of the Android stack. On the platform side, I ship company-owned operating systems: Android framework customization, LineageOS and GrapheneOS custom ROMs, signed OTA pipelines, Device Policy Manager, CTS, hardware-backed attestation, and eSIM, on smartwatches, phones, POS terminals, and embedded devices. On the app side, I deliver Kotlin and Compose apps with 100K+ installs and 99.5% crash-free sessions, including enterprise apps used by Fortune 500 companies. Cut UAT cycles by 25% and release time by 15% through CI/CD.

TECHNICAL SKILLS

- **AOSP & Platform:** AOSP, Android Framework, Custom ROMs (LineageOS, GrapheneOS), Hardware Bring-up, Device Policy Manager, MDM, OTA Updates, Platform Signing, Resource Overlays, Gerrit
- **Security & Compliance:** CTS, Hardware-backed Key Attestation, eSIM, Hardened Builds, AES/RSA/ECC, 2FA
- **Android Apps:** Kotlin, Java, Jetpack Compose, Coroutines, Hilt, Room, Retrofit, Firebase (Crashlytics, Remote Config), MVVM, MVI, Clean Architecture
- **Enterprise Identity:** Okta, Microsoft Intune, SAML, WSO2
- **CI/CD & Cloud:** GitHub Actions, GitLab CI, Jenkins, Docker, AWS, Azure
- **Devices:** Smartwatches, Wear OS, Android TV, POS Terminals, Embedded Android, IoT, Zebra EMDK
- **Also:** Spring Boot, Rust, Flutter, Dart, MQTT, Jira, Confluence. **Languages:** English (professional), Urdu (native)

PROFESSIONAL EXPERIENCE

Senior AOSP & Android Systems Engineer

Mar 2025 – Present

[BrightByte](#) (client: [CosmoTogether](#), smartwatches) | Islamabad, Pakistan | Hybrid

- Own the AOSP release line for CosmoTogether smartwatches, turning hardware changes into signed OTA updates customers install themselves instead of one-off builds.
- Built the OS CI/CD pipeline end to end: automated AOSP builds, artifact signing, versioning, and staged OTA rollouts that stop a faulty release before it reaches the whole fleet.
- Connected Gerrit review to Jira, Confluence, and Slack for full traceability from field issue to fixing build.
- Moved device policy enforcement into the Android framework so restrictions survive app removal.

Senior Android Consultant

Apr 2026 – Oct 2026

[DubizzleLabs](#) | Remote | Contract

- Delivered a custom Android ROM and the enrollment flow that brings corporate handsets under central management, with one-pass provisioning of camera, Wi-Fi, Bluetooth, and app policies.
- Containerized the MDM admin portal in Docker so the internal team runs it without a separate platform project.

Senior AOSP Engineer

Oct 2023 – Oct 2026

[Senifone](#) | Netherlands (Remote) | Contract

- Built SeniOS, a company-owned LineageOS-based ROM, and migrated a senior-phone fleet onto it from a third-party MDM, removing vendor dependency from support and policy changes.
- Upgraded devices from Android 10 to 13, extending the life of phones already in customers' homes.
- Shipped fixes fleet-wide through signed OTA updates and overlay builds, with no on-site visits.

Senior Android Engineer

Oct 2023 – Mar 2025

[VentureDive](#) (client: [CXApp](#)) | Remote

- Led Android delivery for CXApp, a multi-tenant workplace platform used by Fortune 500 companies including PepsiCo, Lenovo, NBCUniversal, and T. Rowe Price.
- Cut UAT cycles by 25% by redesigning CI/CD and the release process, so clients got releases sooner.
- Integrated Okta, Microsoft Intune, WSO2, and SAML so enterprises roll out the app on their existing identity stack; mentored Android engineers across releases.

Senior Android Engineer

Sep 2022 – Oct 2023

[CEBS](#) (client: [Matas](#)) | Islamabad, Pakistan | Hybrid

- Core engineer on Club Matas, the loyalty app of Danish retailer Matas (100K+ installs), holding a 99.5% crash-free session rate.
- Accelerated deployments by 15% with GitHub Actions pipelines for UAT and internal tracks.

Senior Android & AOSP Engineer

Dec 2020 – Sep 2022

LEED (client: [Techless](#)) | Islamabad, Pakistan | Onsite

- Built Wisephone OS, a de-Googled LineageOS-based OS with user data on secure servers, and its minimalist system apps (calling, messaging, maps, camera) for a distraction-free phone sold to US families.
- Replaced bring-your-own-device management with a controlled custom ROM, enforcing policy through Device Policy Manager at the framework level, with firmware changes matched to the hardware.

Android Engineer

Aug 2020 – Dec 2020

[CUBICODES](#) | Islamabad, Pakistan | Onsite

- Published utility apps that passed 10,000 installs and migrated legacy Java code to Kotlin.

Android Engineer

Sep 2019 – Aug 2020

[GrithX Solutions](#) | Islamabad, Pakistan | Hybrid

- Made search about 30% faster on [Patari.pk](#), Pakistan's largest music-streaming service (100K+ installs); migrated it from Java to Kotlin, and built Spring Boot APIs to replace a legacy backend.

Freelance Android & AOSP Engineer

Sep 2018 – Jul 2020

[Upwork](#) | Remote

- Delivered client Android apps end to end, including GIGO, AndroBlock, ZebOils, and PairMe (see Projects), plus AOSP customization, Zebra EMDK integrations, wearables, and IoT controllers.

PROJECTS

CodeOS & CryptOS | Private

Platform

- Hardened GrapheneOS-based Android distributions with a system app suite, a management portal, and automated firmware releases.

CXApp | [VentureDive](#) (client: CXApp)

Oct 2023 – Mar 2025

- Workplace app for Fortune 500 clients (PepsiCo, Lenovo, NBCUniversal, Clorox): desk booking, room finding, indoor navigation, and enterprise SSO.

Club Matas | [CEBS](#) (client: Matas)

Sep 2022 – Oct 2023

- Cut startup time, added Remote Config–driven personalization, and hardened error handling with Crashlytics. Kotlin, Hilt, Firebase.

Wisephone System Apps | [Techless](#)

Apr 2021 – Sep 2022

- Minimalist calling, messaging, maps, and camera apps for a distraction-free phone with no app store or social media.

Wisephone OS | [Techless](#)

Sep 2021 – Mar 2022

- Custom AOSP-based OS fully disconnected from Google and Big Tech, with sensitive user data kept on secure servers.

Secure Notes | [Open source](#)

Jan 2022 – Mar 2022

- Privacy-first notes app: 2FA, AES/RSA/ECC encryption, E2EE sharing, cloud backup, self-destructing notes, and intruder capture.

PairMe | Upwork

Feb 2021 – Apr 2021

- Social app for planning outdoor trips with friends: groups, coordination, and photo and post sharing.

ZebOils | Upwork

Apr 2020 – Jul 2020

- Took an essential-oils business online by automating ordering, delivery, and product reviews end to end.

AndroBlock | Upwork

May 2020 – Jun 2020

- Parental-control app that limits screen time and blocks apps, managed from a companion parent app.

[Patari.pk](#) | [GrithX Solutions](#)

Jan 2020 – Aug 2020

- Music-streaming app with 100K+ installs and a local and international catalog; search about 30% faster.

Corona Virus Update | [Open source](#)

Mar 2020 – Apr 2020

- Live COVID-19 cases, deaths, and recoveries alongside local weather and a five-day forecast.

GIGO | Upwork

Jan 2019 – Jun 2020

- Private, geofenced food-delivery app for US Marines, from local markets to offices and homes.

PeanutButter | [Open source](#)

Ongoing

- Self-hosted catalog for media you own: Rust API, Flutter desktop client, and a native Android TV app.

EDUCATION

Bachelor of Science in Computer Science | [Preston University](#), Islamabad, Pakistan

2016 – 2020

AWARDS & CERTIFICATIONS

- ICPC Regional, 3rd place; INNOVATIA '19 (COMSATS), runner-up in Android Development and Speed Programming
- PSDF Software Development Certification; English Linguistic Program, highest scorer, 2024