# MUHAMMAD AWAIS

## Senior Software Engineer, Mobile App Developer

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## SUMMARY

**Senior Software Engineer** with **6 years of experience** specializing in **Android (Kotlin/Java)**, **Android TV**, and **Flutter**. Expert in **Jetpack Libraries**, **Material 3**, and advanced state management, including **BLoC and Flow**. Proven track record of delivering end-to-end mobile solutions, with key achievements including a **30% reduction in APK size**, a **75% increase in responsiveness**, and preserving **95% crash-free sessions**. Dedicated to mentoring developers and collaborating across functions to drive performance and security.

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## SKILLS

**Programming Languages**

Kotlin, Java, Dart (Flutter)

**Mobile and TV Development**

Android SDK, Android Jetpack (Compose, LiveData, ViewModel, Room, Navigation),
Material Design 2/3,
Android TV Leanback & custom UI
Flutter Widgets & BLoC

**State Management & Concurrency**

Kotlin Coroutines, Flow, LiveData, BLoC, RiverPod (Flutter)

**Database & Cloud**

SQLite, Room, Firebase (Realtime DB, Firestore, Auth, FCM, Crashlytics, Remote Config)

**Architecture & DI**

MVVM, MVP, MVC | Dagger, Hilt, GetIt (Flutter)

**Networking & APIs**

Retrofit (REST/SOAP), OkHTTP, DIO, Socket.IO

**Payments & Integrations**

X Stax, Meezan, Foree, Jazzcash, Easypaisa, In-App Billing, Google Pay

**Third-Party & Custom Libraries**

Twilio SDK, Google Places & Maps Custom Libraries, Events Tracking (Mix panel, Push woosh, Adjust), Firebase Crashlytics, Google Analytics, Zendesk Chat

**Tools & Collaboration**

Android Studio, VS Code, Jira, Agile/Scrum

**Analytics & Tracking**

Firebase Analytics, Google Analytics, Mixpanel, Adjust, Pushwoosh, A/B Testing

**Testing**

JUnit, Mockito, Espresso, Flutter Test

**Version Control & CI/CD**

GitHub, Bitbucket, GitLab CI/CD, Fastlane, Gradle (Groovy & Kotlin DSL)

**Other Expertise**

VPN & Security Apps, Android TV Apps, Bluetooth & IoT Integration, Play Store Deployment, Performance Optimization, Localization & Accessibility

**VPN & Security**

WireGuard Tunnel API, VPNService, Socket.IO, secure networking, encrypted storage

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## EXPERIENCE

**Egora Pvt Ltd, Lahore, PK**                                    **April 2024 - Present**

**Sr. Software Engineer, Mobile Application Developer**

- Architected a Kotlin-based thermal printer application using **Jetpack Compose**, achieving 100% Bluetooth reliability and reducing latency by **40%** for 500+ daily print operations.
- Scaled customer adoption by up to **30%** for **Egora** and **White-label restaurant apps** by engineering enhanced **dine-in, pickup, and reservation modules in Flutter.**
- Processed **10,000+ monthly transactions** with 99.9% uptime and a 0% failure rate by integrating the XStax payment gateway.

**Healthwire Pvt Ltd., Lahore, PK**                        **September 2022 – March 2024**

**Software Engineer, Android Developer**

- Incorporated **Meezan Bank** and **Foree** payment gateways, achieving **100% secure transactions** and sustaining a **90%+ success rate** for completed payments.
- Streamlined delivery logistics via **Google Maps and Places APIs,** increasing order-delivery accuracy by **90%** and improving overall UX.

- Executed **A/B testing (50/50 split)** and event tracking, resulting in a **15% increase** in user engagement and improved retention.
- Created and maintained deeplink and event-tracking systems, enabling accurate **user behavior analytics** and supporting data-driven feature improvements.

**DonGamers, Lahore, PK**                                    **July 2020 – September 2022**

**Senior Android Developer**

- Elevated app stability to **92% crash-free sessions** through proactive debugging and performance tuning.
- Led a Mobile Development team, ensuring a high-quality product.
- Architected real-time chat using **Pusher**, driving a **15% increase** in active user engagement.
- Engineered the integration of **Unity Games** into native Android, resulting in **100% growth** in user engagement metrics.
- Optimized monetization by consolidating **In-app Purchases and Google AdMob**, increasing total sales by **10%**.

**Android Developer**

- Designed and launched the **Dongamers app from scratch**, scaling to **global availability (99% coverage)** and ensuring accessibility for international users.
- Continuously monitored and optimized app responsiveness, improving user interaction speed and enhancing the overall user experience by **95%**.
- Added multiple external **APIs and data sources**, achieving an average response time of **<700ms**, which improved reliability and real-time data access.
- Applied **MVVM**, **Jetpack**, and **Kotlin Coroutines**, achieving high maintainability and scalability through robust architectural patterns.

**Netroots Technologies LLC, Lahore, PK**          **September 2019 – December 2019**

**Software Engineer, Android Developer**

- Delivered a **GPS-based attendance** system with **image validation**, increasing tracking accuracy by **40%**.
- Automated employee profiling workflows, reducing manual HR administrative overhead by **50%**.
- Upheld **99% uptime** and successfully resolved **90%** of critical bugs within production environments.

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# EDUCATION

**Bachelor of Science in Computer Science**                                    **2015-2019**
University of South Asia, Cantt, Lahore, Pakistan
CGPA 3.8 / 4.0

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# CERTIFICATION

**Software Engineer Certificate**                                    **April 2024**
HackerRank

**The Fundamentals of Digital Marketing**                                    **December 2020**
Google Digital Garage