

# Muhammad Umair Khan

Mobile Developer (Android & Flutter)

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## SUMMARY

Dynamic Mobile Application Developer with 5 years of experience designing and delivering high-performance Android (Native) and Flutter applications. Proven track record in providing user-centric scalable solutions at Aga Khan University Hospital (2020–present), transitioning from Android to cross-platform Flutter development. Skilled in translating complex requirements into intuitive applications, optimizing performance for low-resource environments, and driving user engagement.

## EXPERIENCE

### Flutter Developer

Aga Khan University Hospital

Oct 2023 – Present

Karachi

- Designed and implemented mobile applications with a focus on scalability and maintainability.
- Ensure performance, quality, and responsiveness through testing and optimization.
- Architect solutions for low-resource environments to enhance accessibility and efficiency.
- Continuously refine and enhance applications based on user feedback and performance insights.

### Android Developer

Aga Khan University Hospital

Mar 2020 – Sept 2023

Karachi

- Developed and maintained native mobile applications, ensuring smooth performance and reliability.
- Collaborated with cross-functional teams to define project requirements and deliver user-friendly solutions.
- Identified and resolved technical issues, improving efficiency, stability, and user satisfaction.

## TECHNICAL SKILLS

### For Android (Native Platform):

- **Languages:** Java, Kotlin
- **Architecture:** MVVM, MVP, Clean Architecture
- **Offline Database:** SQLite, Room Database
- **Firebase:** Authentication, Firestore, Realtime Database, Cloud Messaging (FCM), Notifications
- **APIs:** Retrofit, Volley
- **SDKs:** Google Map SDK, Bluetooth SDK
- **Libraries:** Jetpack Compose, Material Design, Unit Testing (JUnit) and more Jetpack components

### For Flutter (Cross Platform):

- **Languages:** Dart
- **State Management:** Provider, Bloc, GetX
- **Architecture:** MVVM, Clean Architecture
- **Offline Database:** SQLite (sqflite), Hive
- **Firebase:** Auth, Firestore, Storage, Push Notifications
- **API Integration:** Dio, HTTP, GraphQL, JSON Serialization
- **UI/UX:** Adaptive & Responsive Design, Material/Cupertino Widgets, Animations
- **Additional:** Performance Optimization, Unit Testing, Widget Testing, Third-Party Libraries

### Tools & Practices:

- **Version Control:** Git, GitHub, CI/CD (Bitrise, CodeMagic)
- **Tools:** Android Studio, VS Code, Postman

## EDUCATION

Sir Syed University of Engineering And Technology

BS Computer Engineering

Jan 2014 – Aug 2018

Karachi