Momin Tahir

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Technical Skills

Languages: Java, Kotlin, C/C++, C#, Dart, JavaScript, TypeScript, SQL

Technologies & Tools:

- Compose
- Animations
- Rive Animations
- Jetpack
- AWS Server
- Json/Html Parsing
- KMP
- Paging 3

- Web Sockets
- Room
- SQL Delight
- Ktor
- Retrofit
- CMP
- Billing Client
- Testing

- Hilt
- Koin
- Git
- MVVM
- MVI
- Firebase
- Exo player
- Espresso

- Maps
- Streetview
- Coroutines
- Stripe API
- Java Mail Api
- Jazz Cash Payment
- Media 3
- DataStore
- Mockito

Experience/Projects

Allied Consultants *(October 2021 - Present)*
Senior Android Engineer

Swedish Client Project (Confidential): It's a guessing game where user can play and get rewards
- Implemented a daily bonus feature, resulting in a 30% increase in user retention through gamified incentives and personalized user experience.
- Refactored the app's codebase, improving performance by 20% and reducing crash rates by 15%.
- Integrated third-party libraries and APIs (Retrofit, Glide, Firebase) to enhance app functionality, resulting in a seamless user experience and increased user engagement.
- Modularized the project, reducing codebase complexity by 35% and improving Gradle build time.
- Led the team in switching to Compose for Android development, which made the code simpler and improved the app's performance.
- Worked closely with cross-functional teams to ensure seamless integration of new features and timely delivery of projects.

Softech Systems (PVT) LTD *(November 2019 - October 2021)*
Senior Android Developer

Facelift Cloud: This app combines relevant components for social media marketing into a single scalable enterprise solution
- Collaborated with backend teams to integrate RESTful APIs, ensuring smooth data exchange between the app and the server.
- Increased user retention by 15% through enhanced user interaction features.

KTrade: It's a trading and investing app
- Optimized app architectures using MVVM and Clean Architecture principles, enhancing maintainability and scalability.
- Led the team in switching to Kotlin for Android development, which made the code simpler and improved the app's performance and reduced crash rates by 25%.
- Fixed real time data update issues which improved customer satisfaction.
- Improved login waiting time which boosted user engagement by 20%

e-Falah & Alfa SDK: Created an android library of Alfa Securities which supports the Bank Alfalah app.
- Created a library of e-falah app which allows user to trade real time
- Reduced codebase complexity by 30% and improving Gradle build time

- Updated libraries to allow this library to support older Android Sdk's

Soft Circles (*December 2018 - November 2019*)
Senior Android Developer

ARD Pro: It's an app about virtual procedures to identify a disabled child and to provide them with an environment where they can overcome their disability.
- Developed this app from scratch using MVVM architecture and modularized approach
- Implemented sockets for real time chat
- Collaborated with backend teams to integrate RESTful APIs

AppsGenii Technologies (*November 2017 - December 2018*)
Android Developer
- Developed and maintained multiple Android applications, contributing to a 20% increase in user engagement through performance improvements and new feature implementations.
- Collaborated with backend teams to integrate RESTful APIs, ensuring smooth data exchange between the app and the server.
- Implemented automated testing strategies, reducing bug occurrence in production by 40%.

Some of those projects are mentioned below:

- LaVoice
- Barcel USA
- ShareNGo
- Barcel GSM
- Tasbih
- Avaster

Oriental Tech Solutions (*March 2017 - November 2017*)
This company was product based. I have worked on their following products:

- Flashlight
- Photo BG changer
- Digital Signature
- Truth or Dare
- QR Code Scanner

Personal Projects
KMP News App
- This app demonstrates modern android development using Koin, Coroutines, Flow, Jetpack (Ktor, Viewmodel) based on Clean Architecture
- Integrated News API and has an support to persist the saved news items
- This app made with Compose Multiplatform and supports Android and iOS
- This app is an open source project and was built specifically for learning purpose

Android Craft
- This project is currently in progress. It will demonstrate modern Android development with Jetpack Compose, Hilt, Coroutines, Flow, Jetpack (Room, ViewModel), and Material Design based on MVVM architecture.
- It will be a simple app with list of items and persisting them when the device is offline
- It will also have pagination support.

Education
Comsats University *(2013 - 2017)*
Bachelors of Science in Computer Science

Punjab College *(2010-2012) FSC - Pre Engineering*