

Muhammad Usman

Sr. Android Developer

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Experienced android developer with 5+ years of experience architecting and building cutting-edge Android apps for e-commerce, social, public transport, entertainment, productivity, location-based, health care, and identity verification systems.

Self-motivated, enthusiastic, eager to learn new tech, and willing to go the extra mile for achieving product excellency.

Professional Experience

ANDROID DEVELOPER(REMOTE), BORVISTA LLC

05/2022 – 04/2023

Core Responsibilities:-

USA

- Maintain and improve coding standards across the team, taking part in code reviews for other developers
- Making the user data privacy Compliance with CCPA/GDPA Regulations
- Collaborating with quality engineers, user research, design, and support teams to ensure quality in all phases of app development.
- Reviewing design specs and engineering docs and provide feedback.
- Migrating to Clean Architecture(data-domain-presentation) using MVVM
- Securing data in transit using RSA/AES protocols

Key Achievements:-

- Defined and implemented robust app architectures and complex user interfaces.
- Migrated from RxJava to Kotlin Coroutines
- Migrated from Imperative UI to Declarative (Compose UI)
- Worked with BLE and connected devices.
- Implemented the Crypto SDK for URA's Efris platform
- Managed tasks within the Agile framework, cleared Sprinted tasks and controlled JIRA workflows.

SENIOR ANDROID DEVELOPER, FLEEKSOFT

10/2018 – 05/2022

Core Responsibilities:-

Sialkot, Pakistan

- Translating the designs and wireframes into high-quality code.
- Mentoring/advocating junior developers.
- Migrating the code base to Kotlin Clean architectures (MVVM, MVP, MVI)
- Reviewing Peer's code.
- Collaborating with cross-functional teams to define and design new features.
- C++ with NDK integrations
- Executing Unit tests and automatic UI testing using Espresso on code for robustness, usability, and general reliability.
- Writing unit tests for mobile code and debugging critical application issues such as crashes, memory leaks, and concurrency problems

Key Achievements:-

- Implemented Clean Architecture using Hilt and Jetpack architecture components.
- Integrated IRIS scanner using USB Host mode.
- Developed attendance system using a fingerprint scanner.
- Integrated a variety of Bluetooth printers for POS/Bus Ticketing solutions.
- Developed a 'Patients referral system' for Govt health department.

- Developed TV Apps, SMS gateway, media apps, location-aware apps, etc.

Android Developer/Junior Web Developer/Mentor, SUHTECH

03/2016 – 10/2018

Core Responsibilities:-

Sialkot, Pakistan

- Continuously discover, evaluate, and implement new technologies to maximize development efficiency.
- Assisting in compliance with standards.
- Obfuscating/optimizing the code using Dexguard.
- Implementing the Frontend of courier's solutions using front-end tech stacks

Key Achievements:-

- Developed 'Smart Home' Home automation App linked with IoT Module (ESP8266)
- Architecture and developed Courier solutions from scratch (Mobile+Web)
- Taught how to write, solid, scalable, well-documented, and bug-free code.
- Developed call recording, Warehouse management app.
- Developed NFC-based student attendance system for a school

Education

Bachelor of IT, University Of Gujrat

08/2011 – 05/2015

SQA, Data Warehousing/Mining, SNA, Android/Web development, DSA, DLD, HCI

Sialkot, Pakistan

Skills

AWS:



Cloudfront, S3, Route 53, EC2 ,RDS.

Other



Google Apis/SDKs: Geofencing, location, Admob, ML kit, Mobile Vision, Firebase
Payment integrations: Stripe, CardPay, Paymob, Fawry Pay , google pay;
Authentication: OAuth2, OpenID
Push Notification: GCM, FCM
Map Platform: Google Maps, HereMap
Backend: Ktor, JOOQ(ORM)
Web: Bootstrap 5, jQuery, ReactJs
VCS & CI/CD: Git, Subversion, GitHub actions
Database: Relational(MySQL, SQLite), Transactional(Faunadb), NoSQL(Firestore)

Core Android



App Architecture: MVVM, MVC, MVP, MVI , data-domain-presentation
Dependency Injection: Dagger-Hilt
App Navigation: Jetpack navigation component
Concurrency: Coroutines with Flow, LiveData
Data Persistence: Room, Jetpack Datastore
Smart TV UI using Leanback libraries
Media Apps using CameraX, Exoplayer with FFmpeg extension
Identification: NFC, Iris Scanner, fingerprint reader
Testing: Unit testing with Junit5, UI testing with Espresso
Security: TLS certificate transparency with certificate pinning / Compliance with CCPA/GDPR

Interests

Competitive programming

Enjoy competitive programming in Kotlin

Tech Enthusiast

Reading books and watching documentaries, Learning new techs Blockchain, and Cloud computing.

Extra

Apart from development play Badminton, Soccer.

Certificates

Meta Android Developer

Credentials: Q9Z4PR7Q38HS

Cloud-native computing

certificate[PIAIC]

Credential: PIAIC90157

AWS Certified Cloud

Practitioner

#: LGSHXDK1Z1RQQMWT