

Muhammad Usman

Sr. Android Developer

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Experienced Software Developer with over 6 years of expertise in architecting and developing innovative mobile and web applications across various industries, including e-commerce, social networking, public transportation, entertainment, productivity, healthcare, 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

Software Engineer, Lopos Inc [🔗](#) 12/2023 – present
Ghent, Belgium

- At Lopos, I play a pivotal role in developing the Lopos Alert App (Android and IOS), a cutting-edge solution for configuring Lopos Inc.'s flagship products. This app seamlessly scans, configures, and updates the firmware of BLE devices, including Beacons and Wearables, ensuring optimal performance and user experience.

Full Stack Engineer, Armour Payments 11/2023 – present
Ontario, Canada

- At Armour Payments, I am leading the development of a cutting-edge donation collection application, leveraging the latest Android technologies to deliver a seamless and efficient user experience. This application is designed to streamline the donation process, ensuring security, performance, and ease of use.
- I focus on creating a robust architecture, ensuring code quality through extensive testing, and optimizing performance for a wide range of devices.

ANDROID DEVELOPER(REMOTE), BORVISTA LLC 05/2022 – 04/2023
USA

Core Responsibilities:-

- 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
Sialkot, Pakistan

Core Responsibilities:-

- 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. SES

Other



Google Apis: Admob, ML kit, Mobile Vision, Firebase
 Payment integrations: Stripe, Fawry Pay, Google Pay;
 Authentication: OAuth2, OpenID
 Push Notification: GCM, FCM
 Map Platform: Google Maps, HereMap
 Backend: Ktor, JOOQ(ORM), Nextjs, Typescript,
 Web: Tailwindcss, Shadecn ReactJs
 VCS & CI/CD: Git, Gitlab, Subversion, GitHub actions
 Database: MySQL, SQLite), Faunad, Firestore, Postgres SQL
 Other: SwiftUI, OpenAi, ClaudAI integration
 Deployment: Docker, Vercel, AWS, Serverless functions

Core Android



App Architecture: MVVM, MVC, MVP, MVI, data-domain-presentation
 Dependency Injection: Dagger-Hilt, Koin
 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

Interests

- Competitive programming
- Tech Enthusiast
- Book Reading, Documentary Watching

Certificates

Meta Android Developer [↗](#)

Credentials: Q9Z4PR7Q38HS

**Cloud-native computing
certificate[PIAIC]** [↗](#)

Credential: PIAIC90157

**AWS Certified Cloud
Practitioner** [↗](#)

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