

## Raheel Mushtaq

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### Professional Summary

Experienced React Native and Android Developer with over 8 years in Android Developer and 5 years in React Native Development. Expert in designing, testing, debugging, and optimizing applications. Quick learner committed to continuous improvement, proficient in the full software development lifecycle.

### Skills

- **Languages:** Java, Kotlin, JavaScript
- **Mobile Development:** React Native, Android (Kotlin, Java)
- **Frameworks & Libraries:** Redux, Android Jetpack, Jetpack Compose, MVVM, ExoPlayer
- **Database:** Firebase Realtime Database, Room, Datastore
- **Architecture:** SOLID principles, Clean Code, Design Patterns, Refactoring, Test-Driven Development (TDD), Clean Architecture, Functional Programming, Offline First
- **Other:** Git, Gitlab, Dependency Injection, Reactive Programming, XML/JSON-based RESTful APIs, Firebase, Push Notifications, Android Architecture Components

### Education

#### Bachelor of Science in Computer Science

Muhammad Ali Jinnah University, Islamabad, Pakistan | 08/2011 – 06/2015

### Work Experience

#### React Native Developer (Freelance)

Islamabad, Pakistan | 10/2018 – Present

- Designed and developed cross-platform React Native applications for Android and iOS, including property management, smart building, and video calling apps.
- Redesigned UIs and updated application designs based on client requirements to enhance user experience.
- Collaborated with clients to implement changes, conducted QA testing, and resolved technical issues.
- Upgraded codebases, integrated third-party SDKs (e.g., Agora), and ensured compatibility with the latest technologies.
- Worked with quality assurance teams, participated in Scrum meetings, and deployed new builds to Google Play Store and App Store.

- Implemented CICD for for distrubution using Github Actions

### **Senior Android/React Native Developer**

**CitrusBits, Islamabad, Pakistan | 10/2022 – 10/2023**

- Developed well-designed, testable code throughout the development cycle.
- Enhanced application speed by 10% through revised code handling.
- Improved cross-functional collaboration, reducing bug resolution time by 15% and increasing product quality by 25%.
- Reviewed code consistently and integrated React Native into existing projects.

### **Senior Android Developer (Remote - Canada)**

**Creatrixe, Islamabad, Pakistan | 07/2021 – 07/2022**

- Ensured designs met requirements across all phases of the development lifecycle.
- Streamlined codebase, reducing overall size by 5%.
- Led a team of five, managed projects, and conducted client meetings and Scrum sessions.
- Developed solutions as a Solution Architect for two products.

### **Senior Android Developer**

**IrisVision, Islamabad, Pakistan | 05/2019 – 04/2021**

- Created well-designed, testable code throughout the development process.
- Improved cross-functional collaboration, reducing bug resolution time by 20% and enhancing product quality.
- Led a team in developing innovative solutions for medical tests, increasing accuracy by 20%.
- Converted MATLAB code to Java/Kotlin for IrisVision medical tests.
- Implemented new features such as Wikipedia audio/video calls and screen sharing.

### **Senior Android Developer**

**Axact, Islamabad, Pakistan | 12/2017 – 04/2019**

- Participated in the full development cycle, producing high-quality, testable code.
- Identified and fixed bottlenecks, bugs, and maintained code quality.
- Kept updated with state-of-the-art development tools and platforms.

### **Android Developer**

**Jolta Technology, Islamabad, Pakistan | 12/2015 – 12/2017**

- Developed apps from mockups, created modules, and integrated them into projects.
- Performed QA and uploaded builds to the Google Play Store.

### **Android Developer (Intern)**

**Zong CMPak, Islamabad, Pakistan | 07/2015 – 09/2015**

- Developed the "E-Challan System" application as part of Android Development training.

## **PROJECTS**

### **Schlaf-Platz (React Native Application) – Freelance ([App Link](#))**

This application was developed in React-native for Android and IOS for Discovering the versatility of our mechanic room management app, which was specifically designed to simplify daily management for landlords of mechanic rooms.

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Push Notifications, React Native Config, Social Login, Use-Http, Axios, Asynstorage, Localization, Charts, React Native Video.

#### **Responsibilities**

- Create architecture of the projects.
- Familiarize yourself with the existing codebase implemented in React Native.
- Conduct one-on-one sessions with the previous developer.
- Implement client-provided change requests.
- Collaborate with quality assurance to resolve technical and UI issues.
- Redesign the entire UI of the checkout process.
- Review and clean up the code.
- Train a junior React Native developer.
- Deploy a new build to the Google Play Store and App Store.
- Participate in Scrum meetings.

### **Instant Property (React Native Application) – Freelance ([App Link](#))**

This application was developed in React-native for Android and IOS. This application is a Property App for Alaska Commercial Company store online for fresh food and household supplies.

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Push Notifications, React Native Config.

#### **Responsibilities**

- Develop the design based on the provided mockup.
- Implement client-provided change requests.
- Redesign the entire UI of the checkout process.
- Conduct QA testing and resolve technical and UI issues.
- Add multiple Android build variants and iOS targets using React Native config to create different applications from the same codebase.
- Deploy a new build to the Google Play Store and App Store.

### **Smart Building (React Native Application) – Freelance ([App Link](#))**

This application was developed in React-native for Android and IOS. This application let you Connect with your neighbours, report maintenance issues to your Body Corporate, and be in-touch with security in just a few clicks-- all with the Smart Building app!

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Push Notifications, React Native Config, Canvas, Use-fetch, PDF.

### **Responsibilities**

- Learn React Native and create a proof of concept (POC) app
- Implement client-provided change requests.
- Add functionality for users to select multiple images and save them in local storage
- Create a PDF and upload the file.
- Review and clean the code. • Update the application design.
- Upgrade the project to the latest technology stack.
- Deploy a new build to the Google Play Store and App Store.

### **BFF(React Native Application) - Freelance**

This application was developed in React-native for Android and IOS. This application is a Video calling App for.

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Push Notifications, React Native Config, Agora, Video Calling.

### **Responsibilities**

- Understand the existing React Native codebase with pre-implemented designs.
- Integrate the Agora SDK.
- Implement client change requests for UI and video calling.
- Collaborate with quality assurance to resolve technical and UI issues.
- Implement APIs to fetch and display details to users.
- Review and clean up the code.
- Share weekly builds.

### **Alaska (React Native Application) - Citrusbits**

This application was developed in React-native for Android and IOS. This application is a Grocery App for Alaska Commercial Company store online for fresh food and household supplies.

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Push Notifications.

### **Responsibilities**

- Get an understanding of the code implemented in React Native.
- Have 1 on 1 session with the previous developer.
- implement the change request provided by the clients.
- Work with quality assurance to resolve technical issues and UI Issues.
- Change the complete UI of the checkout process.
- Launch a new build to the Google Play Store and App Store.
- Attend Scrum meetings.

### **Soul Link (Android Application) - Citrusbits**

This application was developed in Android Studio in Kotlin and Java. This application is a meditation app, where user can merge audio and video to create their meditation and listen to them.

#### **Tools and Technologies**

- Android, MVVM, Kotlin, Kotlin Coroutines, Firebase, Exo Player, Motion Layout, Git

#### **Responsibilities**

- Create the Base architecture of the project.
- Create a design of the application from the mockup provided.
- Implement Social login using Google, Apple, and Facebook.
- Implement a Video player for .m3u8 files using ExoPlayer
- Implement a Miniplayer view like YouTube, where the user can minimize the Player and move around the application
- Work with quality assurance to resolve technical issues and UI Issues.
- Attend daily scrum meeting

#### **Evenple (React Native Application) – Citrusbits**

This application was developed in React-native for Android and IOS. This application is an Event-based app, where the user can create his/her events and share them with other people.

#### **Tools and Technologies**

- React JS, React Native, Redux, WebStorm, Git, Firebase, Social Login (Apple, Google).

#### **Responsibilities**

- Learn React Native for the tasks at hand.
- Build the app from the mockup provided in react native and ensure that designs follow the requirements.
- Work with quality assurance to resolve technical issues and UI Issues.
- work on different modules like Templates for sending invites and Posts for sharing event posts for different users.

#### **Premier UK (Android Application) - Creatrix**

This application was developed in Android Studio using Java. This application is for clients of Premier UK Business to stay up to date on the latest news, and deadlines and contact the team. This application was already built but had some issues.

#### **Tools and Technologies**

- Android, MVVM, Kotlin, Kotlin Coroutines, Firebase, Biometric Login, Git,

#### **Responsibilities**

- Work on the Android App.
- Resolve the bugs and share the bug sheet.
- Update the project documentation
- Read and Implement the biometric functionality
- Upload builds to the Google Play Store.

#### **Best in Town. (Android Application) – Creatrix**

This application was developed in Android Studio using Java. This application is like WandrPass, but it is not targeted to any specific county

This Application has 2 parts, Business and Customer

Business App is only for business owners or employees they have created, they can create different types of offers for users, and by scanning customer QR codes, they can avail offers for the users.

Customer App is to view the offers against the business they have created and to view the list of businesses registered with the application

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, QR Code, Jira, SonarQube, Project documentation, Branch.io,

#### **Responsibilities**

- Lead the Project.
- Conduct daily standups and retrospective meetings for every sprint.
- Manage Jira board
- Read and Implement Branch.io in the Customer App.
- Make Android and IOS Applications on the same path
- Create documentation of the Branch.io and how it is implemented.
- Create documentation of the Android Application
- Implement SonarQube in the Both Applications
- Create documentation of SonarQube implementations
- Have Documentation created for the whole system and how it works?
- Upload builds to the Google Play Store.
- Worked as a solution architect to provide different solutions and get feedback

#### **B12 - Give. (Android Application) – Creatrix**

This application was developed in Android Studio using Kotlin. This application is for delivery purpose for different shelter.

This application has 3 different sub apps.

1. Shelter
2. Giver
3. Distributer

#### **Tools and Technologies**

- Android, MVVM, Firebase, QR Code, Project documentation, AWS, Google Maps.

#### **Responsibilities**

- Conduct daily standups and retrospective meetings for every sprint.
- Create design from mockup provided.
- Have Documentation created for the whole system
- Upload builds to the Google Play Store.
- Learn and implement MVVM Architecture
- Implement and Scan QR Code functionality between all three apps.
- Implement firebase push and Analytics in all 3 apps.
- Implement google maps in the Driver app.
- Use AWS login.

#### **Sport12 (Android Application) – Creatrix**

This application was developed in Android Studio using Java. This application is a sports app, where users can book and create a team and play games. With Sport12 you can easily find

amateur sports games and play whenever you like. Check out if there is a game around the block and register for a game to play with people from your city. This project was already completed and uploaded to the Google Play Store

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Git, Google Maps, Huawei Store, Huawei Maps,

#### **Responsibilities**

- Read about Huawei Apps and how Android Apps are converted and Uploaded on the Huawei App Store.
- Upload builds to Huawei Play Store.
- Find the problem "Google Analytics not working after uploading build to Huawei Store " and create a finding document and Resolve the bug.
- Share the daily report
- Attend Daily Scrum

#### **WandrPass (Android Application) - Creatrix**

This application was developed in Android Studio using Java and Kotlin. This application is only targeted in Canada, where multiple businesses are registered with this application and customers can view business details and the offers they have created.

This Application has 2 parts. Business and Customer

Business App is only for business owners or employees they have created, they can create different types of offers for users, and by scanning customer QR codes, they can avail offers for the users.

Customer App is to view the offers against the business they have created and to view the list of businesses registered with the application

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Git, Google Maps, AWS, QR Code, Camera

#### **Responsibilities**

- Lead the Android project.
- Have meetings with IOS Team and backend team to resolve the current issues in the Android Application
- Read and Implement Branch.io in the Customer App.
- Make Android and IOS Applications on the same path
- Create documentation of the Branch.io and how it is implemented.
- Create documentation of the Android Application
- Implement SonarQube in the Both Applications
- Create documentation of SonarQube implementations
- Lead and Attend the daily Scrum
- Manage Jira Board
- Upload builds to the Google Play Store.

#### **Hala (Android Application) - Creatrix**

This application was developed in Android Studio using Java. This application is for Careem and it is used for training their drivers in Dubai.

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Git, Google Maps, Tutorials Making

#### **Responsibilities**

- Understand the new requirements that were shared.
- Share the timeline.
- Lead the Android team to implement the new changes.
- Have meetings with the Hala team.
- Lead and Attend Daily Scrum

### **EMR Assists (Android Application) – Creatrix**

This application was developed in Android Studio using Kotlin. This application is for doctors only and only those registered with the EMR Assists. Where doctors can record audio and send it to the server, these recorded audios are converted to text and sent back to the doctors by the translators.

#### **Tools and Technologies**

- Android, MVVM, Java, Firebase, Git, Room, Work Manager, job Scheduler, Foreground Services,

#### **Responsibilities**

- Created designs from the mockup provided.
- Lead the Android and IOS project
- Have meetings with the backend team, and share the feedback with the team.
- Attend Daily Scrum

### **Irisvision (Android Application) – Irisvision**

Irisvision is NIH-approved Low Vision Glasses, that leverage the most advanced VR technology. Most medically validated Low Vision Aids for Visually Impaired.

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Git, Gitlab, Apache NLP, Wikipedia, YouTube API, Eye Tests, R&D, MATLAB, React JS, MongoDB, Twilio, Sinch, EYE Tests.

#### **Responsibilities**

- Implemented NLP using Apache NLP
- Implemented Multiple Eye tests in the application
- Implemented Wikipedia(Demo)
- Worked with Researchers and Implemented Solutions.
- Implemented Video calls and Audio Calling using Twilio.
- Attend Daily Scrum
- Attend meetings with the researchers and with the US team to propose solutions and implement solutions

### **Digital Vision Clinic (Android Application) - Irisvision**

Digital Vision Clinic is a project of Irisvision where they are working on telehealth and Performing different types of eye tests.

#### **Tools and Technologies**

Android, MVC, Java, Firebase, Git, Gitlab, YouTube API, Eye Tests, R&D, Twilio, Sinch, EYE Tests, Dagger

#### **Responsibilities**

- Implemented NLP using Apache NLP
- Implemented Multiple Eye tests in the application
- Worked with Researchers and Implemented Solutions.



- Implemented Video calls and Audio Calling using Twilio.
- Attend Daily Scrum
- Attend meetings with the researchers and with the US team to propose solutions and implement solutions
- Lead the meetings with the researchers.
- Implement Matlab code to Kotlin Code

### **Efficiency (Android Application) – Axact**

This application was developed in Android Studio which Service provider app. This app has 2 modules, 1 for customers who were requesting services and 2nd for those who were providing services.

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Gitlab, Google Maps

#### **Responsibilities**

- Create a design of the application from the mockup provided.
- Attend daily scrum meeting
- Adjust the app flows when there are some issues.
- Share weekly detail

### **Nativ (Android Application) – Axact**

This application was developed in Android Studio which Online shopping store app. This app has 2 modules, 1 for buying and 1 for selling.

#### **Tools and Technologies**

- Android, MVC, Kotlin, Firebase, Gitlab,

#### **Responsibilities**

- Create a design of the application from the mockup provided.
- Attend daily scrum meeting
- Adjust the app flows when there are some issues.
- Share weekly detail
- Convey any issue that is produced while making an application to the leads and fix them.
- Daily meeting with the backend to fix any issues.
- Lead the IOS team.

### **AI-Ghoneim (Android Application) – Axact**

This application was developed in Android Studio which Online shopping store app where users can do shopping from the AI-Ghoneim Store

#### **Tools and Technologies**

- Android, MVC, Java, GitLab, Google Maps, Localization,

#### **Responsibilities**

- Create the design of the application from the mockup provided.
- Attend daily scrum meeting
- Share weekly detail
- Convey any issue that is produced while making an application to the leads and fix the issues
- Add Arabic language support with English.

- Lead the IOS team so that both Android and IOS are on the same page

### **Tripyoage (Android Application) – Axact**

This application was developed in Android Studio where users can search for hotels, restaurants, and cars. Users can also create bookings as per their requirements.

#### **Tools and Technologies**

- Android, MVC, Java

#### **Responsibilities**

- Create the design of the application from the mockup provided.
- Attend daily scrum meeting
- Share weekly detail
- Have a meeting with the Team if there is an issue in the flow of the mockups.

### **Streamix (Android Application) – Axact**

This application was developed in the Android studio where users can live stream online. This project's APIs were not working, so I was given the task of handling all the issues in the APIs and making them resolve.

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, PHP, Live Streaming.

#### **Responsibilities**

- Check all APIs and list down the APIs that were not working.
- Meeting with the backend daily to resolve all the API issues
- Led the IOS, Android, and Backend Teams to resolve the issues in the APIs.
- Report to lead on the current progress of the Application.
- Attend daily scrum meeting
- Share weekly detail

### **Arabian Porter (Android Application) – Axact**

This application was developed in the Android studio where users can do an Online Shopping application to buy different clothes. This project was set up with the APIs provided by the Arabian Porter themselves

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, MongoDB, APIS.

#### **Responsibilities**

- Create a design of the application from the mockup provided.
- Attend daily scrum meeting
- Lead the Android team
- Work with the backend team so we can check all the APIs we can use from the clients provided.
- Meeting with the lead if there was an issue that became a blocker.
- Work on Mongo DB with Backend lead to a search for the APIs, and have wrappers made for the APIs if there was an issue in consuming APIs.

### **FurnishIT (Android Application) – Axact**

This application was developed in Android Studio using AR technology in which a user can place a different model provided in the app and save images. There were some issues in

handling the model which was placed in Wikitude AR Kit and the APIs which were causing our application some issues.

#### **Tools and Technologies**

- Android, MVC, Java, Firebase, Localization, AR, Wikitude SDK,

#### **Responsibilities**

- Understand how AR technology works.
- Understand how Wikitude AR works
- Attend daily scrum meeting
- Led the backend team to have all the issues fixed in APIs and also in IOS.

#### **Dunkey Delivery (Android Application) – Axact**

This application was developed in Android Studio which is a subscription-based service that makes grocery shopping, laundry, pharmacy, drink, and food delivery easy. The design of the application was already created, had to work on integrating APIs

#### **Tools and Technologies**

- Android, MVC, Java, Firebase.

#### **Responsibilities**

- Implement the APIs.
- Work with IOS Lead to resolve all the issues in the Android.
- Work with the Backend Team to resolve any issue in Android.
- Report to Project Lead if facing any issue
- Attend Daily Scrum Meetings.

#### **Audio Trimmer and Converter (Android Application) – Jolta Technology**

An Android application built on Android Studio where we can let users trim audio, convert video to audio, convert audio from 1 format to another, or make a video using images and audio, etc. Behind all this conversion, we used the FFMPEG Third Party Library. Which was already developed using NDK. Users can view all the converted audio or videos in the application.

#### **Tools and Technologies**

- Android, MVC, Java, Audio Trimmer, FFMPEG, QA,

#### **Responsibilities**

- Create the design in the Android Studio from the mockup provided.
- Created and Maintained a weekly roadmap for application delivery

#### **Vivid (Android Application) – Jolta Technology**

An Android application built on Android Studio which was similar to the Zedge Application. Where we can let the users see a list of Ringtones, notifications, and Wallpaper and let them download and also let users upload them using Volley.

#### **Tools and Technologies**

- Android, MVC, Java, PHP, QA

#### **Responsibilities**

- Use Volley for consuming APIs.
- Create the design in the Android Studio from the mockup provided (Zedge App).
- Perform QA
- Have a meeting with the Backend Team to resolve the API Issue

### **Ad Network (Android Application) – Jolta Technology**

This is Like Google Ad Mob where we were trying to make our own Ad Network. There are 3 types of ads

1. Banner
2. Interstitials
3. Video

In this project, there are two main roles

1. Advertiser - Users can start complaining about advertising their ad. In the form of videos or banners or Interstitials.
2. Publisher - Users can show ads in their application by creating their accounts and creating their projects.

#### **Tools and Technologies**

- Android, MVC, Java, Exo Player, R&D, Library Creation

#### **Responsibilities**

- Understood the business requirements, and explored how the Ad network works.
- Documented the solution, and deployment design and explained the existing workflow Ad network.
- Meeting with the Team daily to get the knowledge of the current progress.
- Created a Library project for the application
- Exo-player was used for playing videos, and Retrofit was used for downloading banners, Interstitials, and videos.
- Performed Testing by adding this library to different projects
- Have different teams implement it, and if there are any issues have them resolve it
- Meeting with stakeholders and marketing team, to get an idea of what they want and have it implemented

### **Gif Application (Android Application) – Jolta Technology**

An Android application built on Android Studio where we can let users make GIFs using images. Behind all this GIF creation, we used the FFMPEG Third Party Library. Which was already developed using NDK. Users can view all the converted Gifs in the application.

#### **Tools and Technologies**

- Android, MVC, Java, FFMPEG,

#### **Responsibilities**

- Create the design in the Android Studio from the mockup provided.
- Deliver the project within 1 month
- Share daily reports to the Lead.

### **Robot Audio And Video Call (Android Application) – Jolta Technology**

Robot Audio and Video Call is a Calling Application. This Application is Created for a robot i.e. Robobaba (Reeman Robot) and Android Smartphone where the user can Video call using mobile and robot. For this application, the library used is "Sinch". Robobab (Reeman Robot) was a robot created using an Android base and has a tablet attached at the center of the Robot. The Application was installed in the Robot And Android Apps.

#### **Tools and Technologies**

- Android, MVC, Java, Sinch, Audio & Video Calling

#### **Responsibilities**

- Learn how Sinch works.
- Meeting with the team to explain how we can use Sinch in our application
- Create a sample and Give a demo to the Team by installing it on two Android Phones.
- Create the Design of the application and get Approval (in Android Studio UI).
- Implement the Design of the Application.
- Share daily reports to the Lead.
- Manage a weekly report so it can be shared with the CEO.

#### **Quran (Android Application) – Jolta Technology**

This application was developed in Android Studio for users to learn your Quran reciting. This would help you to correct your recitation through audio playback pronunciation word by word. Read the Surah in high- quality Arabic format alongside word-by-word translation in 18 different languages and 17 different reciters. Quran audio and text were already provided by a separate team. This application was done in 8 steps which were provided at the time of the project start.

#### **Tools and Technologies**

- Android, MVC, Java, Local Storage,

#### **Responsibilities**

- Create steps on how to proceed with finishing
- Create Design of the application
- Show Quran text in the application from the text provided
- By changing the font of the Quran, the font should be applied to the application
- By changing the Surah, Surah should change.
- Add word-by-word reciter audio
- By clicking on any word, that word should be reciter.
- Add All of the reciter Audio
- By changing the reciter audio of that reciter should be played when the user starts playing the Quran.
- Give a demo to the team whenever 1 of the steps is completed.

#### **PK Pipe (Android Application) – Jolta Technology**

This application was developed in Android Studio which was a social app for sharing videos.

#### **Tools and Technologies**

- Android, MVC, Java, FFMPEG

#### **Responsibilities**

- There was 1 module that was assigned to me and it was creating a video by combining different images into a video, and also applying different animations when we were creating videos. We can add audio as a background to the audio.
- Learn about FFMPEG and how we can use it.
- Create Design of the Module application
- Add FFMPEG in the application and use it to merge audio and images to make a video.
- Share the weekly reports to the CEO about the current progress.

### **E-Challan System (Android Application) - Zong CMPak**

A Challan System to create Challans using Android Application. This application was built on Eclipse and then shifted to Android Studio. The APIs were created in the C# and then used in Android Studio.

#### **Tools and Technologies**

- Android, MVC, Java, Eclipse, C#

#### **Responsibilities**

- Create a Design of the E-Challan System in Application from the mockup provided.
- Learn and Create the APIs in C# so we can use them in Android Studio.
- Use the APIs in the Android Application