

# Aman Yadav



## Android Developer

## Professional Summary

- Results-driven Android Developer with 10+ years of experience in designing and developing enterprise-level mobile applications. Highly proficient in Android application development, with expertise in the Android framework, Java, and Kotlin.
- Hands-on experience in Web Application development using HTML, CSS, JavaScript, jQuery, AJAX, and JSON.
- Adept at building scalable, high-performance applications leveraging Android components like Activities, Fragments, AsyncTask, Intents, Services, and broadcast receivers.
- Proficient in developing native Android applications, ensuring compatibility across multiple SDK versions, resolutions, and form factors, including smartphones and tablets.
- Experienced in integrating RESTful APIs, handling SQLite databases, and implementing Google Cloud Messaging (GCM).
- Well-versed in working with SOAP and REST web services, JSON, XML parsing, and data structures.
- Strong expertise in custom UI development, multimedia frameworks, and Android system-level features, including sensors, Location Manager, Maps API, Bluetooth, NFC, Wi-Fi, and Telephony.
- Hands-on experience in designing interactive applications using animations and media frameworks.
- Excellent troubleshooting and debugging skills, combined with strong customer interaction and project coordination abilities.
- Set up and configured the Cucumber testing environment with JUnit to run automated tests as part of the CI/CD pipeline.
- Adept at collaborating with cross-functional teams to deliver high-quality, user-centric mobile solutions.
- Passionate about optimizing application performance and enhancing the user experience with innovative mobile technologies.

## Experience

## Contact

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## Education

**Bachelor of Technology in CS**  
- Ramaiah Institute of Technology

## Skills

- **Mobile App Development Tools:** Android SDK Versions
- **Java Technologies:** SDK, ADT, Java, J2EE, Servlets, JSP, JDBC
- **Web Technologies:** HTML/CSS, XML, JavaScript, jQuery, ReactJS
- **IDE & Tools:** Eclipse, Android SDK, MS Office, Android Studio, Visual Studio, Azure Cloud
- **Operating Systems:** Linux, Window
- **Languages:** C, C++, Java, JSON
- **Databases:** SQL, MS SQL Server, MySQL, NoSQL
- **Web-Service Frameworks:** Apache Axis, SOAP, REST

**Responsibilities:**

- Involved in gathering details of project requirements and outlining.
- Developed the UI to make it more user-friendly, and utilized the Fragment feature.
- Worked with the Telephony API to set the operations for incoming and outgoing calls, text messages, and data messages.
- Designed and implemented the user interface using Kotlin's modern UI components for a responsive experience.
- Integrated Kotlin Coroutines for handling asynchronous tasks and improving app performance.
- Utilized Kotlin's null safety features to reduce crashes and ensure a more stable codebase.
- Worked with the SQLite Database to store the created program. User data, variables, layouts, and details of UI elements are being stored in a SQLite database.
- Experienced in integrating Android applications with RESTful APIs using third-party libraries such as Retrofit and Volley to enable seamless data exchange and enhance app functionality.
- Integrated Cucumber with Selenium for automated acceptance testing of the UI, ensuring functionality matches the requirements.
- Utilized Shared Preferences to store and maintain user information.
- Designed and created customized Dialogs.
- Involved in designing and implementing the architecture of the application using Dependency Injection (DI) to promote loose coupling and enhance testability.
- Integrated Dagger 2 with Android development to automatically inject dependencies into activities, fragments, and services, reducing boilerplate code.
- Used Android Debug Bridge ADB extensively throughout to debug UI and app logic.
- Implemented the functionality to upload files by Android share options. Used share intent for this task.
- Utilized Android Notification services.
- Used Dagger 2's annotation-based system to handle dependency graphs and improve compile-time validation, leading to faster builds and fewer runtime errors.
- Used Android services to deal with Bluetooth communication.
- Created UI that controls toggling features of Android like Bluetooth, Wi-Fi, and Data.
- Implemented UI drag and drop feature.
- Set up and configured the Cucumber testing environment with JUnit to run automated tests as part of the CI/CD pipeline.
- Implemented voice response for handicap assistance.
- Developed and maintained applications for ESI's smartphone product.
- Provided knowledge transfer to fellow team members in the subject matter expertise area.

**Responsibilities:**

- Designed, developed, and tested embedded software applications for use with Web API using ReactJS and React Native.
- Used JavaScript for Client-side validations in the application.
- Working with RxJava (ReactiveX) for asynchronous composition and manipulation of data and events using Observers and Observables in the application.
- Utilized Kotlin's null safety features to reduce crashes and ensure a more stable codebase.
- Worked with the Retrofit library for API integration to fetch and handle data from remote servers.
- Implemented local data storage using SQLite and Room Database to persist user data and app state.
- Implemented JavaScript-based sorting features to use on the product.
- Developed a program used to automate competition scouting
- Integrated Cucumber with Selenium for automated acceptance testing of the UI, ensuring functionality matches the requirements.

- Experienced in integrating Android applications with RESTful APIs using third-party libraries such as Retrofit and Volley to enable seamless data exchange and enhance app functionality.
- Used Dagger 2's annotation-based system to handle dependency graphs and improve compile-time validation, leading to faster builds and fewer runtime errors.
- Optimized code by refactoring legacy code to use DI patterns, making the application more modular and maintainable.
- Developed new process for employee evaluation, which resulted in marked performance improvements.
- Created various list views and upgraded UI to Material Design
- Developed the Java classes to implement the business logic of the application.
- Refactored the legacy code with the Dagger dependency injection library to create reusable, testable, interchangeable modules.
- Mobile App/frameworks development, used Android NDK to create the library files to be used by the Service
- Developed Android Applications Using Native Development Tool(Android NDK)
- Troubleshooting/debugging Android Stack & Bug fixing

**Client: Matrix Solutions, India**

**December 2017 – October 2021**

**Role: Mobile App Developer/Android Developer**

**Responsibilities:**

- Involved in gathering details of project requirements and outlining.
- Involved in the design and modification of application layout.
- Developed connection with server using Open Source libraries, Asynchronous Http
- Client for Android.
- Designed user session management with PersistentCookieStore, parsing JSON response.
- Utilized Shared Preferences to store and maintain user information.
- Implemented Flat UI design using Gradle integration in Eclipse IDE.
- Designed User Interface, such as login view with username and password EditTexts.
- Utilized SQLite DB for storage of raw queries.
- Designed and created customized Dialogs.
- Developed the functionality to upload files by sending parameters as InputStream, a File Object itself, and a byte array.
- Implemented the functionality to upload files by sending an encoded string from image files by POST method.
- Implemented the functionality to attach files by accessing the camera and selecting an image from the SD card storage.
- Used Android Debug Bridge ADB extensively throughout to debug UI and app logic.
- Used JIRA for issue tracking and Confluence for create and share documentation.

**Client: ZEOTAP, India**

**February 2014 – December 2017**

**Role: Android App Developer**

**Responsibilities:**

- Developed a useful app that automates call responses, particularly helpful when users receive missed calls frequently. Implemented key features to enhance user convenience and automation.
- Collaborated with a senior Android team to identify and resolve performance bottlenecks and UI-related issues, ensuring a smoother and more efficient user experience.
- Designed and enhanced the app's UI to improve usability, making navigation and interactions more intuitive and engaging for users.
- Implemented functionality using the Telephony API to detect and manage incoming calls, enabling automated actions based on predefined user preferences.
- Utilized SQLite Database to store incoming call details, allowing users to view and manage their call history within the app conveniently.