**Hemanth**

**Sr. Android Developer**

**3147305452**

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**Professional Summary:**

* Around 10+ years of experience in **IT**, which in **Android** **Mobile** **Application** Development and in **analysis**, **design** and **implementing** the **Java** and **Kotlin** based applications.
* Experience in all the phases of **Software** **development** **life** **cycle** (**SDLC**) process and exposed to various methodologies like **Waterfall**, **Agile** etc.
* Experience in designing **GUI** and interfaces with services for **mobile** **applications**, Asynchronous Programming in **Android** (such as **Thread** **pool**, **Tasks** and **services**). Implemented the monetization of apps, which has capabilities to do in-app purchases.
* Experience in Web development using **HTML5**, **CSS3**, **JavaScript**, **JSON**, and **XML**.
* Solid experience in building mobile applications using **Android** **frameworks**.
* Experience in **Java** development using **JSF**, **JSP**, **MVC**, and **JDBC**. Developed Web Services and inter process communication applications using **Java** **SOAP** **Framework**, **JSON** and **REST** **API’s**.
* Good experience in **Native** Components of **Android** **applications**: **Activities**, **Services**, **Broadcast** **Receiver**, **Content** **Provider**, **Web** **Services**, **Fragments**, and Support Libraries to create high quality and stable applications.
* Expertise in **Android** **application** **development** using **Eclipse** **IDE**, **Android** **SDK**, **Android** **emulator**, and **ADT** **plug**-**in**.
* Experience in developing applications using **Android** **framework** **APIs** like **Location**, **Camera**, **Animations**, **Maps**, **Speech** **API**, **Android** **Telephony** and third-party **APIs** such as **ESPN**, **YouTube** and **Social** **Networking** sites such as **Facebook** and **Twitter**.
* Skilled in managing lifecycle-aware Coroutine scopes (**viewModelScope**, **lifecycleScope**) to avoid memory leaks and ensure structured concurrency.
* Good experience in working with **Google** **Maps** **API**, **GPS** **Location** **Data**, **Google** **Play** **Services** **API**, **Google** **Analytics**, **Google** **Cloud** **Messaging** **API**, **Location** **Manager**, and **Notification** **Manager.**
* Experienced in developing consumer ready **Native** **Android** **Applications** Hybrid Mobile Applications **Android**/**iOS**/**Mobile** Web using **JavaScript**, **JQuery**.
* Good exposure with the usage of two main classes in **RX** **Java** such as **observable** and **subscriber**.
* Experience with **Android** **architecture** design partners like **MVC**, **MVP** and **MVVM**.
* Experience in implementing **Coroutines**, **Lambda** **functions** and extension function in **Kotlin**.
* Experienced with analytic tools like **Adobe** **SDK** for **mobile** **analytics**, **Dynatrace**, **Google** **analytics** and **Splunk** **mint** **SDKs** for crash reporting.
* Hands on experience with **Unit** **testing** with **JUnit** and **Mockito**, **UI** testing with **Espresso**.
* Expertise in **User** **Interface** for **Android** and Building a **View**, **Database**, **Gradle**, **Volley**, **JSON** **Parsing**, **SDK** **Integration** and **multi**-**threading**.
* proficiency with collections, generics, and multithreading with Java.
* Experience in architecture **design**, **development** and **implementation** of **software** **applications**, **TDD** (**Test** **Driven** **Development**) **test** **cases** and **testing.**
* Expertise in leveraging advanced constructs such as **launch**, **async**, and **withContext** to handle background tasks, parallel execution, and thread switching effectively.
* Experience with Cloud Computing environment like **Amazon** **Web** **Services** (**AWS**), **Azure**(Microsoft).
* Experience with source code control management like subversion (**SVN**) and **GIT**.
* Experience working with libraries such as **RxJava**, **Dagger**, **GSON**, **Mockito**, **Glide**, **Firebase**, and **Retrofit**.
* Experience in making efficient use of version control management and bug reporting tools like **GIT**,**TFS**, **Bitbucket** and ticket tracking tools such as **Jira**, **Rally**, **VersionOne** etc.
* Experience in working with Annotation Processing libraries like **Butterknife**, **Lombok**, **Dagger**, and **Kotlin**.
* Worked with **MDM** (**Mobile** **Device** **Management**) and **MAM** (**Mobile** **App** **Management**) tools like **AirWatch** and **App** **Center**.
* Experience with test automation tools like **JUnit**, **Cucumber** and **Selenium**.
* Knowledge on **Oracle** (**PL**/**SQL**), **IBM**, **MYSQL** databases and **NoSQL** databases like **Apache** **Cassandra**.
* Expertise in developing in **IDEs** like **Eclipse**, **Net** **Beans** and **Intellij**, **Spring** **Tool** **Suite** (**STS**).

**Technical Skills:**

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| --- | --- |
| **Languages**  | C, C++, Java, Visual Basic, JavaScript, PL/SQL, XML, Swift. |
| **IDE**  | Eclipse, Intellij, Android studio, NetBeans, Visual studio. |
| **Development Tools** | Android Studio, Eclipse, Intellij Idea Community Edition Frameworks Android SDK, Android Jetpack, Retrofit, OkHttp, Dagger, RxJava, Butter Knife, Picasso/Glide, Expresso, Mockito |
| **Web Technologies** | XML, HTML4/5, CSS, SASS, JavaScript, JSON. |
| **Java Technologies** | Web Services (JSON and SOAP), Hibernate, Spring, Threads, Generics, Collections API, TCP/IP sockets, Apache Maven, RMI, JDBC, and JNDI. |
| **Operating Systems** | Windows 11, Mac OSX 10.x, Ubuntu 20.04. |
| **Source Control** | Sub-Version (SVN), Clear Case, CVS/PVS and VSS (Visual Source Safe). |
| **Web-service Framework** | Apache Axis, SOAP, WSDL, REST, JAX-RS, JAX-WS |
| **Testing Tools** | JUnit, Mockito, Espresso, Robolectric |
| **Management Tools** | JIRA, Trello |
| **Other tools** | Test Driven Development, OOP, Agile development and Scrum Master. |
| **Database** | Oracle 10g, SQL, PL/SQL, SQLite |

**Professional Experience:**

**Bayer, New Jersey, USA Duration: Oct 2023 - Till Date**

**Sr. Android Developer**

**Responsibilities:**

* Actively involved in designing and rewrite the existing application. Developed Android application features from base level to improve the functional operations which is being developed the Pharmacy Dashboard Account linking and **RX** transactions, auto refills and Cart and Checkout module in retail domain.
* Involved in rewrite the Pharmacy Dashboard module into new architectural pattern.
* Working on various programming technologies as a part of daily work which **includes Kotlin, Rx Java, XML, JSON, REST** web services.
* Design and Development of **APIs** in the **NDK** layer for various features, functionalities available in the **React Native layer.**
* Experienced in using Jetpack compose for **UI** design.
* Replaced traditional RxJava implementations with **Kotlin Coroutines** for asynchronous network requests, JSON parsing, and database operations, resulting in cleaner and more maintainable code.
* Utilized async/await and withContext for handling complex concurrent operations, ensuring efficient thread management and task prioritization.
* Taking part in defining and implementing mobile development standards by reviewing the code to ensure quality, efficiency, and robustness.
* Worked with **QA** **team** to perform different levels of testing and resolving the defects and code issues before the application is deployed in production.
* User stories containing code such as "View charge status" and "Manage charging schedules utilizing material design, Dagger2, and multithreading SOILD principles
* Ability to understand backend functionality of systems and services to design and refactor server component architecture.
* Worked closely with product team to understand implementation, testing and support of application systems by providing optimum solution.
* Used code repository tool **GitLab** to maintain code base and using **CI/CD** pipeline build tool for continuous automated deployment.
* Kotlin coroutines and dispatchers can be used in place of RxJava implementations for asynchronous network requests, JSON parsing, and database reading and writing.
* knowledgeable about using Android syncing, push notifications, content providers, multiple screen support, offline data storage, and Google Map APIs.
* Used **Android Studio** to develop the screens for the application using **MVVM** design pattern.
* Worked on Signing/Signup and Authentication functionality.
* Worked on an **Android Service** to implement the Push Notification.
* Experience writing apps from scratch in **Kotlin**.
* Run multiple meetings with several cross-functional teams for getting specific customs **SDK** definitions.
* Build reusable Android components and **SDKs** for approaching different entities and apps.
* Leveraged cutting edge technology like **Kotlin, Android JetPack, Retrofit, Navigation, View Model, Room, Actions.**
* Created Search bar using **UI** Search Display Controller and the respected delegates to search items.
* Used Live Data builder to combine **Kotlin** coroutines with Live Data Coroutines Asynchronous Flow to implement async sequence, or stream, of values in **MVVM** architecture
* Contributed to the full mobile application development lifecycle using Agile processes.
* Debugged and tested the application on different android devices.
* Experience working with remote data via **REST** and **JSON** and **Android SDK.**
* Experience in release the application play store and working with third party libraries.
* Supporting the development team as an active team player in resolving production issues.

**Environment:** Kotlin, GUI, Rx Java, Rx Android, JSON, Mockito, Dagger, RESTFUL API, HTTP, XML, JSON, MVVM, Robolectric, iOS, Espresso, Android, Appium, JIRA, Swift, XML, Google Maps API, Google Places API, Jenkins, CI, Java, Retrofit, Picasso, Volley, ButterKnife, Analytics SDK, Gradle, POJOs, J2EE, MVC, Singleton, Factory.

**AIG, New York, USA Duration: Oct 2022 - Sep 2023**

**Sr. Android Developer**

**Responsibilities:**

* Participated in architecture migration from **MVP** to **Kotlin**-based **MVVM** architecture using **Jetpack** components like **Live Data**, **View Model**, **Room**, **Work Manager**, **Paging** and **Data Binding**.
* Designed **UI** using views provided by **Android** and created **custom** **views** when required.
* Applied **MVVM** architecture with **View** **Models** responsible for making **network** **calls**.
* Developed the mobile application for Android and Java platform using Ionic framework using **typescript**, **JavaScript**, **CSS3** and **HTML**.
* Network calls with AsyncTask, Volley, **Retrofit**, and RxJava are used for background multithreading.
* Applied **Kotlin** **Coroutines**, **scopes**, **deferrable**, and **dispatchers** for handling concurrent operations.
* Mobile application was developed with **JAVA** mixed with **Kotlin** using **Android** **Studio**.
* Created **View** **Model**, **Live** **Data** to build data objects to notify views when the underlying database changes, survive configuration changes and avoid memory leaks.
* Developed in **Android** **SDK** in **Android** **Studio** and coded exclusively in **Kotlin**, using the latest version of **Android** **Studio**.
* Used **Dagger2** for Dependency Injection to manage object dependencies effectively.
* Developed various screens for the front end using **React** **Native** and used various predefined components from **NPM** (**Node** **Package** **Manager**).
* Integrated the **Firebase** Authentication **SDK** to enable **user** **creation** and **authentication**, allowing users to sign in using their **Google**, **Facebook**, and **Twitter** **accounts**.
* Developed modules in **Kotlin** using **MVVM** app architecture for ease of maintainability and extensibility, as well as improved **quality** **testing**.
* Used **Rx** **Kotlin** in conjunction with **Rx** **Android**, **Rx** **Binding** libraries to make app multithreaded and perform asynchronous operations.
* Extensively used core **JAVA** / **Kotlin** / **SWIFT** concepts like **polymorphism**, **inheritance**, **serialization**, **synchronization** and **exception** **handling**.
* Include **Jet Pack** library behavior components like **Slices**, **Notifications**, **Permission** and **UI** components with **Animation**, **transitions** and Removed **RxJava** library dependency with **Kotlin** **Coroutines**.
* Converted from **Rx1** to **Rx2** including support for both **Java** and **Kotlin** and Used **Mockito2** to create test cases for **View Models** and **Kotlin** final classes.
* To make asynchronous code and REST API resource consumption easier, use Kotlin coroutines to implement the concurrency design pattern.
* Made use of **Activities**, **Fragments** **Animations**, with **Retrofit** and **Kotlin** **coroutines** for performance of app with back-end integration and **multi**-**threading**.
* Handled **UI** related issues and fit the application on different size devices like; **smartphone** and **Tablets** by putting the styling throughout the app.
* Implemented third-party libraries like **OkHttp3** and **Retrofit** to establish client-server communication.
* Proficient in consuming **REST** resources through **Retrofit** and **GSON**.
* Implemented **Unit** **Testing** using popular frameworks like **Mockito**, **Espresso**, and **JUnit**.
* Followed **Agile** methodologies using tools like **JIRA**, **CONFLUENCE**, and **GIT** for project management and collaboration.
* Utilized **AWS** tools such as **Jenkins** for **Continuous** **Integration** (**CI**) and **SonarQube** for code quality checks.
* Wrote **ANT** scripts for building application artifacts.
* Used **Hibernate** Connection **Pooling**, **HQL**, **Collections**, **Hibernate** **Caching** and **Hibernate** **Transactions**.

**Environment:** MVP, Kotlin, MVVM, Android, CSS3, HTML, Coroutines, JAVA, Android SDK, Dagger2, NPM, Firebase, Rx Android, Rx Binding, UI, RxJava, iOS, SWIFT, Retrofit, OkHttp3, Mockito, GSON, Espresso, Junit, Agile, JIRA, CONFLUENCE, GIT, AWS, CI, Jenkins, SonarQube, ANT, Hibernate.

**Northern Corporation, Chicago, USA. Duration: May 2020 - Sep 2022**

**Android Developer**

**Responsibilities:**

* Assisted in designing the **User** **Interface** (**UI**/**UX**) and overall look and feel of the app.
* Worked on building project branches, merging them and releasing them using **version** **control** **tools** like **GIT** and **SVN**.
* Developed Cross-Platform **Mobile** **app** using **Xamarin** **Forms** with code sharing between all platforms (**Android**, **iOS**, and **Universal** **Windows** **apps**).
* Used **Android** content providers for implementing features like integrating the customer details into the app and designed suitable **GUI** for these applications.
* Enhanced the **Android SDK** and implemented **Android** **Bluetooth** and Location Connectivity components.
* Implemented the **Android** **IPC's** like **Intents**, **Binders**, and **Broadcast** **Receivers** in the **Reader** App and on the **Audible** **app** and integrated them seamlessly.
* Extensively used **Google APIs** such as **Firebase**, **Google** **Play** **services**, **Email** **Integration** **API** to examine the viability of the app over **Google** **services**.
* Implemented interfaces like **Java JNI** and **HAL** like issuing requests for captured results to the **camera** subsystem.
* Used **Dagger** to inject the dependencies for supporting the Android platform and its compatibility with **plugins** of the Kindle reader app.
* To make asynchronous network requests, Kotlin coroutines and dispatchers were used in place of the RxJava implementation.
* Responsible for consuming the **REST** services, getting **JSON** response and parsing them to get the required information.
* Program software using **Android** **Studio**, **Kotlin** and **Android** **frameworks**.
* Build production **APKs** and uploaded into **play** **store** with continuous integration with **Jenkins**.
* Consumed **Adobe** **SDK** for **mobile** **analytics** and **Splunk** mint **SDK’s** for crash reporting and **Dynatrace** and **Google** **analytics** for **application** **analytics**.
* Implement some modules with **Kotlin** as **POC** to test feasibility to introduce this technology in the project at a later stage.
* Used **Robolectric** and functional **test** **cases** with code coverage.
* Used the **Android** **SDK** and **Eclipse** **IDE** for development.
* Used **Retrofit** to make an Interface to automatically handle the error function, and caching to **API**.
* Contributed to design and implementation of the front-end **UI**/**UX** with View Pager and Recycler View animation as well as back-end **Java** development.
* Constructed **http** **requests**, fetching server response and parsing feeds wherever required and **REST** web service interaction utilizing **OAUTH** authentication and **JSON**.
* Designed screens using **MVP** pattern for the application with **Android** **Studio** **IDE**.
* Worked on push notifications with the help of **GCM** (**Google** **Cloud** **Messaging**) Services.
* Debugged and tested the application on different **android** **devices**.
* Enabled the application to use the **camera** **feature** to scan a document and upload the check using **SQLite**.

**Environment:** UI/UX, GIT, SVN, Xamarin Forms, Android, iOS, GUI, Android SDK, Android Bluetooth, Android IPC's, Google APIs, Firebase, Google Play services, Email Integration API, Java JNI, HAL, REST, JSON, Android Studio, Kotlin, Android frameworks, APKs, Splunk, Dynatrace, POC, Eclipse IDE, Robolectric, test cases, Java, http requests, MVP, Android Studio IDE, Android Studio IDE, SQLite,

**Lean Data Technologies Pvt Ltd, HYD Duration: Feb 2017 - Dec 2019**

**Android Developer**

**Responsibilities:**

* Created Java based applications, including **XML** Web services and **Web** applications.
* Implemented the user interface using **java script, JSP, AJAX, HTML and CSS.**
* Managed the struts-config.xml file for all action mappings.
* Used **J2EE** technologies like **MVC**, business delegate and **DAO**.
* Assisted in the development of Action Classes and Action Forms.
* Interacted with internal users and clients to learn and document requirements that are then used to produce business requirements documents.
* Kotlin Coroutines, contracts, Anko Commons, Anko Layouts, Delegate properties, extension methods, and Anko Coroutines in API requests were used to migrate old features and create new ones.
* Created user-friendly web pages to maintain a database for products. Designed **SOA (Service Oriented Architecture)** and used at deploying different applications.
* Maintain the documentation, processes, guidelines & procedures of the project.
* Writing technical requirements from a critical phase.
* Implemented **GPS** tracking system for the registered users.
* Interact with designers to understand software limitations.
* Actively involved in tuning **SQL** queries.
* Customized interfacing with other applications both in front-end and back-end application development.
* Tested the application and developed test cases using **JUnit**.
* Code Review and Troubleshooting.

**Environment:** Android NDK, Android SDK, Java 1.6, JSP, HTML, CSS, JavaScript 1.7, AJAX, SQL, JDBC, Tomcat 7, STRUTS MVC, Waterfall Methodology. Android Bluetooth, Junit, Android, Alert Notification API, SQLite db, JDBC, ODBC, ViewPager2, Tab Layout, Android X Action Bar, Kotlin, JSON, UI.

**PEP Systems Private, HYD Duration: Mar 2015 - Jan 2017**

**Jr. Android Developer**

**Responsibilities:**

* Deployed the application on **JBOSS** **Application** **server**.
* Participated in the mock-up design phase for prior **UI** analysis.
* Involved in debugging with **Firebug**.
* Performed debugging and issue resolution related to **Android** **phone** **development**, specifically focusing on **Android** **framework**, **Wi-Fi functionality**, and **driver** **layer**.
* Involved in writing **Stored** **Procedures**.
* Worked with **linear**, **frame**, and **relative** **layouts**.
* Utilized **Android** **content** **providers** to implement features such as sending **emails** and **SMS** from the app.
* Collaborated with **QA** and internal developers to follow best practices.
* Built restful **API's**, from scratch, for the mobile apps. **API's** type: **GET**, **POST**, **PUT**, **DELETE**. Used the latest **web** **services**/**API's** standards for the data.
* Implemented **SQLite** database for offline storage of favorite **deals**, **regular** **deals**, etc.
* Integrated **GCM** (Google Cloud Messaging) for receiving push notifications related to deals.
* Good exposure with layout and **UI**, utilizing **Layouts**, **widgets**, **Activities**, **Fragments**, **Animations**, **Carousel**, **Push** **Notifications**, etc.
* Controlled **Bugzilla** workflows and managed tasks within the **Agile** framework.

**Environment:** JBOSS, UI, Firebug, Android phone development, Android framework, Wi-Fi, emails, SMS, API's, GET, POST, PUT, DELETE, SQLite, GCM, UI, Bugzilla, Agile**.**

**Genex Technologies Pvt Ltd, HYD Duration: Jun 2013 - Feb 2015**

**Jr. Android Developer**

**Responsibilities:**

* Participated in the entire (SDLC) life cycle of the project right from designing the project to its implementation.
* Consumed REST services, getting JSON responses and parsing them to get the required information.
* Designed user interface using various Custom Layouts, buttons, dialog boxes, alert boxes, and edit boxes.
* Test and error logging on different versions and devices of Android.
* Used Web Views, Custom List views & populated lists to display the lists from the database using simple adapters and Custom adapters.
* Developed android layouts by referring to the wireframes and visual specs.
* Created Intents (explicit, implicit), Multi-threading, and Creating Linear, Relative, and Table Layout.
* Worked on XML-based messaging, and web services connectivity.
* Used Android Content Providers for implementing features like sending E-mails, SMS, etc. from the app and designed GUIs for these applications.
* Work closely with the web application development team to ensure proper integration between the mobile application and web application.

**Environment:** Android Studio, Android SDK, SQLite, JSON, PHP, Web Services, Eclipse, Oracle.

**Educational Details**:

* Bachelors’ VIT university Vellore: 2009-2013
* Masters Saint Louis University: 2020- 2021