**S. Rajkumar**

**Sr. Android Developer**

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**PROFESSIONAL SUMMARY:**

* Around**8+ years** of experience as Software Developer, around **5+ years** on Designing and Development of Native Android Applications for Smart phone and Tablet, around **3years** on Java based Applications
* Have worked extensively on various stages of Application Development, **viz.**, collecting requirements and providing guidelines for design, creating application architecture, implementation that includes various stages in development, **QA**, **code signing** and release in to market.
* Expertise in **Android application development**.
* Proficient with common **Android Framework API’s** (Email, Web View, contact manager, Camera, Notifications, Maps).
* Experience in developing Android Application using **Eclipse** IDE, **AndroidSDK/NDK**, **ADTplug**-**in** and **AndroidStudio**.
* IOS experience with **Swift**.
* Good understanding of **Xcode** and integrating back-end code into iOS app.
* Experience in Coding **Logical Algorithms.**
* Experience on **XCode tool**.
* Migrated multiple components to Kotlin making use of the new extension
* Experience in continuous integration and building application using **Jenkins, Gradle**.
* Experience in implementing **native libraries** in application by using **Android NDK**.
* Excellent knowledge in developing rich UI using **GoogleMaterialDesign** and optimizing techniques using **ListViews**, **RecyclerView**.
* Focused on background processing with **AsyncTask**, **Services**, **IntentServices**, **IPC (Binder), Multi-threading** and **AIDL**.
* Experience on **Kotlin Programming language**.
* Very good implementation experience of Object-Oriented concepts and **Java**/**J2EE** design patterns.
* Good understanding in **OOPS Design Patterns**.
* Expertise in Network Libraries like **Retrofit** and **Volley** and dependency injection using **Dagger**.
* Good understanding in View binding using **Butter knife**.
* Expertise in using Parsers such as **GSON**, **DOM**, and **SAX**.
* Good knowledge in implementing **Imagecaching** using **Picasso**.
* Hands on experience with **Googleplayservices.**
* Deep knowledge in using front-end techniques such as **HTML/HTML5**, **CSS/CSS3,Bootstrap, XML, JSON, AJAX, JavaScript**.
* Implemented UI sections on **React Native**.
* Extensively utilized Android Testing Frameworks like **JUNIT** with **Mockito**, **Espresso**.
* Extensively experience in dealing with both **REST** and as well as **SOAP** based web services.
* Created an Application using**ReactNative** framework Android.
* Extensively worked on memory leaks push notifications, content providers, multiple screen support, data offline storage, accounts, and sync on Android.
* Implemented Google **API**, **Firebaseserver(FCM).**
* Experience in using Storage options in Android like **Shared Preferences, SQLite.**
* Experience in Agile SCRUM based development process, collecting requirements, providing guidelines for design, creating application architecture, implementation that includes various stages in development, QA, &code designing.
* Experience in working **MVC** and **MVP** application level architecture design pattern.
* Experience in implementing the **Google** clean architecture.
* Experience in converting the legacy applications design to latest Google materials design.
* Keen experience on Retrofit, **Rxjava, Rxjava 2, Dagger 2** libraries.
* Experience in implanting the singleton pattern, strategy pattern and builder pattern etc.
* Experience in creating the application technical flows documentation, coding guide lines and cross team communication.
* Experience in white boarding the discussions at high level to keep every on same page.
* Experience in **Object Oriented Design** (OOD), **analysis** (OOA), **modeling** (OOM) based on **UML.**
* Experience on **Middleware SDK.**
* Integrated MapBox, customized Cluster Render to show location with MapShots, utilized mapping and location-based data services to enhance user-experience when view video and photo
* Worked extensively in developing mobile-based and advanced web-based applications using **Java, J2EE, Servlets, JSP, Struts, spring, Hibernate, JDBC, UML, HTML, XHTML, JavaScript, JDBC, and Oracle**.
* Implements Firebase Firestore Database, Firebase Storage, Firebase Dynamic Links, Google.
* Pub/Sub, Real-Time Developer Notifications, Google In-App Subscription Billing, Google Cloud.
* Experience with source code control management such as **subversion** (SVN) and **GIT and Team Foundation Server (TFS)** and issue trackers like **JIRA** and **KanbanTrello**.
* Expert in writing client-side validations using **validation framework, Java Script**.
* Good knowledge on **RxJava.**
* Experience with cloud services like **amazon web service, Firebase, Backendless, parse and Cloud foundry.**
* Excellent working experience with variety of operating systems **like Macintosh, Windows, Ubuntu, and Fedora.**
* Ability to grasp and master new technologies, excellent analytical and problem-solving skills.
* A team player with good communication, leadership, and interpersonal skills.
* Able to take initiative; work independently and as a team player.

**TECHNICAL SKILLS:**

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| **Technologies** | Java JDK,J2EE,C/C++,JSP, Servlets, Android SDK, Hibernate, JavaScript, Spring, JDBC, CSS3, Swift. |
| **Android App**  **Mobile Development** | Android SDK, Recycler View, List view, SQLite, JNI, Notification Manager, Contacts, Content Provider, DDMS, Location, Map, HTTP Client, GSON, JSON based Web Services, Camera API, Facebook API, Firebase. |
| **Debugging and Testing Tools** | DDMS, Logcat.  JUnit, Robotium, Mockito and Espresso. |
| **Markup Languages** | HTML/HTML5, CSS3, XHTML and XML, JSON. |
| **IDE’S** | Eclipse, Android Eclipse IDE (ADT), Android Studio, IntelliJIDE, NetBeans. |
| **Web Services& Parsing Techniques** | SOAP, REST, JSON, GSON, DOM, SAX, Volley API, and Retrofit API,Rxjava. |
| **Version Controls** | Subversion, Git, CVS, Team Foundation Server. |
| **RDBMS** | SQLite, Oracle, MySQL, PLSQL. |
| **Issue Tracking tools** | JIRA, Crashlytics, Applause. |
| **OS** | Linux/Unix, Windows, Mac, Android, Ubuntu |

**PROFESSIONAL EXPERIENCE:**

**Client: Ford Motor Co. Nov 2017 – Till Present**

**Location: Dearborn, MI.**

**Role: Android Developer**

**Description:** My Ford Mobile App allows consumers to manage vehicle functions from a smartphone. This app will work in combination with the MyFordMobile website to give access to consumers in the method which works best for their lifestyles. This App is used to locate the nearest charge station.

**Link:**<https://play.google.com/store/apps/details?id=com.ford.mfm>

**Responsibilities:**

* Participated in several phases like Designing, Enhancements, Bug-fixing, KT Sessions, and maintenance of the Application.
* Worked in **Agile** Environment- Participated in daily standup meetings.
* Played a role in writing application logic using **Android Studio.**
* Modified code by using **Kotlin.**
* Worked on Continuous Integration and code version using **GIT**.
* Debugged application using **ADB, Trace View, DDMS and Log Cat**.
* Worked with **JSON library** to parse JSON files.
* Developed App screens and its workflow using **Activity** and **Fragments.**
* Developed rich UI for most of the modules in the application using **Navigation Drawer** and **Material Design** Components.
* Experienced working with C, C++, Objective C, Swift, Java using X-code, Android Studio Kotlin as secondary programming language.
* Geo Location with the **Map with Marker.**
* Extensively utilized **Retrofit** librarywith **OkHttp** for Network calls.
* Finding the **CurrentPlaceDetailsOnMap** at this location.
* Used **Dagger2** for dependency injection.
* Build Mobile Application in Swift, Objective C, Kotlin, Android & React Native.
* Used **Junit** with **Mockito**, Espresso to make the app efficient.
* Used **Butter knife** for binding view’s and **Picasso** for image caching.
* Implemented **MVP** design pattern in designing and development of this project.
* Customized different widgets that include **Buttons, Toast’s,** and **Dialog’s**.
* Integrated with IOS team with Swift.
* Used third party **Coca Library** to develop IOS app
* Used by **Google Maps Java Script API\_KEY**.
* Implemented **Google Play Services** to quickly find location and navigates the directions to the nearest Sprint stores.
* Design, code and test in-flight entertainment companion application, using the Android SDK, Android Studio and Kotlin.
* Established classic Bluetooth RFCOMM channels for data transmission between Android-based products.
* Performed on device debugging using **ADB** commands and tested application in device using **Logcat, DDMS.**
* Implemented **SQLite** databases to monitor the data of a member.
* Wrote various SQL, PLSQL queries and stored procedures for data retrieval.
* Used **GIT** for version control and **Gradle** as build tool.

**Environment:** Android Studio,**MVP** architecture, Xcode, XML, HTML5, Kotlin, Retrofit, OkHttp, Picasso, Butter knife, Dagger, Rest API, GIT, DDMS, Logcat, PHP, SVN.

**Client: Traffic Cast International. Jul 2016 – Oct 2017**

**Location: Newtown Square, PA.**

**Role: Android Developer.**

**Description:** Traffic Carme Phoenix is the best traffic app for commuters and daily drivers. It’s the first personalized traffic app that uses accurate real-time data and tips from their commuter community to reduce travel time and driving stress.

**Link:** <https://play.google.com/store/apps/details?id=com.trafficcast.trafficcarma.phoenix&hl=en>

**Responsibilities:**

* Engineer the application using the latest **AndroidSDK**, **GoogleMapsAPIs** and advanced UX and UI design architecture.
* Bug-tracking the application using **JIRA** with team planning, and building great products to capture and organize issues, assign work, and follow team activity.
* Worked in **Agile** Environment, participated in daily standup meetings.
* Worked as senior Architect to provide and support strategic decisions for the mobile application as well as the middleware and backend systems.
* Used Kotlin to code the Junit test cases.
* Extensively used **AndroidAnnotations**for dependency injection and event binding.
* Involved in migrating from Google Maps V1 to Google Maps V2 using **GooglePlayServices**.
* Developed Rich UI using **RecyclerView**, **Scroll View, Navigation Drawer,** and **View Pager.**
* Responsible in implementing **RESTful** web services.
* Used peer-to-peer connection on **middleware OS.**
* Used **AndroidStudio** for writing the application Logic.
* Worked on different flavors of the applications.
* Worked on **Middleware** for data using **server-based** application.
* Used **GIT** for version control and **Gradle** as a build tool.
* Created Android app initially in Java and migrated it to Kotlin.
* Implemented **MVP** design pattern in designing and development of this project.
* Peer code reviews from colleagues to ensure standards.
* Worked with **iOS** team to design appropriate icon and display on the screen.

**Environment:** Android Studio, Java, Android SDK, Middleware,Kotlin, JSON, GSON, XML, RXJava, Rest API, DDMS, Google maps API, Location manager Logcat, GITLAB, JIRA.

**Client: PayPal Inc. March 2015–June 2016**

**Location: San Jose, CA.**

**Role: Android Developer.**

**Description:** At PayPal, we put people at the center of everything we do. Founded in 1998, we continue to be at the forefront of the digital payment’s revolution. PayPal gives people better ways to connect to their money and to each other, helping them safely access and move their money and offering a choice of how they would like to pay or be paid. With our 169 million active customer accounts, we have created an open and secure payments ecosystem that people and businesses choose to securely transact with each other online.

**Link:**<https://play.google.com/store/apps/details?id=com.paypal.android.p2pmobile>

**Responsibilities:**

* Participated in complete **Software Development Life Cycle (SDLC**) for proper analysis, development, testing, deployment, and enhancement of the code.
* Played a key role in writing application logic using **Eclipse IDE**, **ADTplug**-**in** and **Android SDK, Android Studio.**
* This application runs on Android 4.0 and up**.**
* Worked in layouts, UX design and layout using both **XML** and custom android views using **MVC pattern**.
* Continuous Integration with **Jenkins** with Android Studio and separately with Eclipse.
* Responsible for consuming the web services using **AsyncTask**, getting **JSON** response and parsing them to get the required information.
* Extensively utilized **AsyncTask, Thread, Handler,**and **Intent Service** for smooth UI experience.
* Implemented **Material Design** for the latest App supporting **Android 5.0**.
* Integrated with different Android Versions.
* Added **Push Notifications** through Backend support to get users specials and discounts on the device.
* Added **Geocoder**to detect user location from where to begin searching.
* Worked with **iOS** team to design appropriate icon and display on the screen.
* Implemented **SQLite** databases to monitor the data of a member.
* Used **GIT** for version control and **Gradle** as build tool.
* Followed **Agile** with **JIRA** for implementing this project.
* Debugged and tested the application using **Logcat**, **DDMS** and**Trace View**on different devices.

**Environment:** Android SDK/NDK(C/C++), SQLite, Eclipse IDE, Android API’s, ADT plug-in, Location Manager, JDK, Swift, JNI,XML, JSON, GSON, REST services, GIT, SMS, GPS service, Log cat, DOM parser.

**Client: Visa. April 2014 -Feb 2015**

**Location: Foster City, CA.**

**Role: Android App Developer.**

**Description**: **Project Visa Explore** - This app is for Visa card holders and is used for finding latest Visa offers and promotions, overseas and nearby- from travel deals, dining, entertainment, shopping, and other life style related privileges personalized as per user interests. This app has other features like ATM locator, Currency converter, Quick access to emergency assistance and concierge numbers. The application is free, convenient, and secure.

**Link**: <https://play.google.com/store/apps/details?id=com.visa.asiapacific&hl=en>

**Responsibilities:**

* Extensively involved in redesigning and re-architecting the application into material design
* Implementing various UI screens matching the latest design requirements.
* Integrated location-based services using **GoogleMaps** API to display locations of the nearest ATMs.
* Used an optimized **listview** to display Offers and ATMs list.
* Extensively used **REST** web services to display the latest data based on country preference of the user.
* Used third party libraries for network calls like **AsyncTask** and worked on **JSON** responses.
* Worked on Android **asynchronous messaging** for high transactional Banking operation.
* Implemented unit testing using **JUnit** for the application.
* Worked on currency converter feature and customized UI based on requirements.
* Has been part in implementing various modules of the application and have end to end knowledge of the entire application.
* Handled integration with Social networking apps like Facebook and messaging apps like what’s app, SMS.
* Developed UI screens matching both Tablets and Mobile devices.
* For every widget implemented the code for capturing events from various UI elements and implemented the action for the widgets.
* Regular modifications done on a fast pace to the app, when there is customer feedback requesting changes.
* Resolved compatibility issues to support latest OS versions on different devices.

**Environment**: Eclipse, Android SDK, XML, REST, JSON,Material Design, JUnit,Source Tree, GitHub, Rally, AsyncTask.

**Client: Thomson Reuters Oct2011– March 2014**

**Location: Minneapolis, MN**

**Role: Android Developer.**

**Link:** <https://play.google.com/store/apps/details?id=com.thomsonreuters.reuters&hl=en>

**Description:** Reuter’s app delivers breaking news, analysis and market data from the world's most trusted news organization. Explore a seamless stream of articles, pictures and videos on your phone or tablet.

Responsibilities:

* Participated in complete **Software Development Life Cycle (SDLC)** for proper analysis, development, testing, deployment and enhancement of the code.
* Design screens using **MVC** pattern for the application with Android Studio IDE.
* Used **Content Provider** to get the data from the Contact on the device.
* Worked on linear, frame and relative layouts.
* Implemented **RESTFUL API** calls to communicate with server.
* Implemented **Fragments, Activities**.
* Added support for **downloading** and opening photos, PDF.
* Used **AsyncTask** for multithreading.
* Worked on toast, Dialog notifications.
* Followed **Agile** and **Scrum** methodologies in the project implementation.
* Implemented **Notification Manager** to display updates on the notification bar.
* Implementing **Broadcast Receivers** for Android.
* Added **Face book SDK** to post the hangout event using Oauth2.0 Protocol.
* Used **shared preferences** to store data.
* Implemented **Mobile Business Objects** (MBO’s) to use the app in offline and synchronize the app data with the server when the network becomes available.
* Designed the **SQLite database** to store the articles information offline.
* Test and error logging on different versions and devices of Android.
* Used **adb logcat, DDMS** for Debugging.
* Used **Apache Subversion (SVN)** for version control.

**Environment:** SDLC, MVC, Content Provider, linear and relative layouts, Fragments, Activities, AsyncTask, Agile, SQLite, Scrum, adb logcat, SVN, DDMS, Toast and dialog notifications, shared preferences.

**Client: Speck Systems Ltd. May 2010– Sep2011**

**Location: Hyderabad, India.**

**Role: Java Developer.**

**Description:** This project aims at the description of the term loan details of the customer. This project includes the minute details of the customer from the day of presenting the application, till the day of recovery. It includes the details of the applicant, addresses of his Co-obligates, guarantor, sponsors, Date of Documentation, and Automatic calculation of quarterly, penal interest, and updating of general ledger.

**Responsibilities:**

* Developed the use cases and class diagrams using Rational **Rose/UML**.
* Performed end-to-end design and development of all layers of the application.
* Implemented Spring **MVC** for designing and implementing the UI Layer for the application.
* Used **EJB** to inject the services and their dependencies.
* Used **JQuery** to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Wrote **JavaScript** for dynamic manipulation of the elements on the screen and to validate the input.
* Used **Ext-JS** for building interactive web applications.
* Wrote Spring Validator classes for validating the input data.
* Wrote **PL/SQL** and **SQL** blocks for the application
* Wrote data conversion programs for handling the changes to the existing database schema.
* Responsible for deploying application file on **WebSphere Application server**.
* Worked on persistence layer using **JDBC** with **MySQL Database**.
* Used **Log4j package** for the debugging, info and error tracings.

**Environment:** Java, J2EE, Spring MVC, Spring, Hibernate, Security, Web Services, JMS, WebSphere, Eclipse, MySQL, Log4j, RESTful, Maven, Clear Case, HTML, CSS, JQuery, Junit, JavaScript, Ext-JS, Unix.