**Rahul**

**Android Developer**

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 **PROFESSIONAL SUMMARY** :

* Over 8+ years of development experience in Information Technology as an Android developer on Java-based applications, with a progressive and robust experience in **Object-oriented** technologies, experience in the full lifecycle of the software development process.
* Exposure to Software Development Life Cycle in different software development methodologies like **Water Fall Model** and various **Agile Methodologies** like Test Driven Development, SCRUM, and Pair Programming.
* Designed graphical user 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.
* Tested several Android applications using real devices, **Genymotion** and **Android Virtual Device** simulators/emulators.
* Hands-on experience with working on memory leaks, push notifications, multiple screen support, data offline usage, audio features, video features, graphic design, and animation.
* Proficient in Working with different **Android frameworks** (Bluetooth, Location, Camera, Notifications, Maps).
* Refactored Application by using **Dagger, RX Java,**and **Retrofit Network** library.
* Experience in **Android UI toolkit** (basic/picker/list views, adapters, dialogs, menus) and **Layout Managers.**
* Experience in web service protocols such as **JSON, HTTP, XML** and **Hybrid-app** using **PhoneGap.**
* Experienced to utilize communication between common data between apps over network requests using **Retrofit** and **Volley.**
* Knowledge to build apps with **Xamarin Studio** and **Cordova.**
* Designed the Cross-Platform Application architecture by using **Xamarin Forms** and PCL components using **Xamarin studio.**
* Designed Interfaces and GUI with services for mobile applications, Asynchronous programming in **Xamarin. Forms** and **Xamarin. Android.**
* Implemented Several Android Applications using Google Maps API, Geocoder API.
* Experienced in Material Design including**RecyclerView, CardView, SnackBar**, FABs, Navigation Drawer, **ToolBar.**
* Experience in using Fragments, Activity workflow, Action Bar Navigation, Menu designs, custom views, and Loaders.
* Experience in end-to-end development and migrating the application to Cloud using the Amazon web services(AWS) availing various services of **AWS** like **EC2, S3**.
* Knowledge of building native iOS and Android applications using **Android SDK, iOS SDK**.
* Extensively used **SQLite** database for persistent storage of data in an application and created corresponding SQLite Helper classes to perform **CRUD** operations on the data in the database.
* Having experience in developing Push Notifications using **Google Cloud Messaging** service and GCM Client Framework.
* Extensive experience in Front End development using **JavaScript, AJAX, XML, HTML5, CSS3, JSON**.
* Strong in design and development of SOA like **SOAP & Restful Web Services**.
* Proficient in core java techniques Multi-Threading, Thread lifecycle methods and multiple request handling using synchronization, **Exceptional handling, Serialization, I/O Stream, Collections, RMI, JDBC** and **Java Beans.**
* Worked on various IDE's like **Eclipse, Android Studio**.
* Experience in developing server-side code with good knowledge of enterprise and persistence design patterns like Singleton, Factory, **Business Delegate, MVP** and **Service locator, DAO, DTO, MVVM,**and MVC.
* Experience with Test Driven development **JUnit, Mockito.**
* Hands on experience in Continuous Integration using **Jenkins** and built an application using **Maven** and **Gradle**.
* Experience using project management tools such as **Rally, Jira, Stash, Confluence** during project development.
* Excellent analytical, problem-solving and interpersonal skills. Ability to learn new technologies and methodologies quickly. Consistent team player with excellent communication skills.

**EDUCATION :**

Bachelor's of Engineering and Technology.

**TECHNICAL SKILLS :**

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| **Languages** | Java 8, J2EE, SQL, C, C++, Python  |
| **Operating Systems** | Windows (10/8.1), Ubuntu, Mac |
| **Android OS** | Android 2.x to Android 7.x (Éclair, Froyo, Gingerbread, Honeycomb, Ice cream sandwich, Jellybean, Kit Kat, Lollipop, Marshmallow, Nougat).  |
| **Web Development** | JavaScript, HTML5, DHTML, XHTML, CSS, XML, XSLT, XSD, AJAX, GWT, JAX-WS.  |
| **Testing Frameworks** | Application Unit Testing, Android Unit Testing, Robotium, UI Automator, Espresso, and Tsung-Erlang. |
| **Databases** | Oracle, MySQL, MSSQL Server, Sybase, PostgreSQL, MongoDB. |
| **IDE** | Eclipse, IntelliJ, NetBeans, IBM Rational Application Developer (RAD) |
| **Android Tools** | OpenGL-ES, PhoneGap, Apache Cordova, layout design, fragments, multi-threading, NDK sensors, Beacons. OpenGL-ES, layout design, fragments, multi-threading, lifecycle, NDK sensors, multi-touch, profiling NFC, Beacons, Retrofit. |
| **Design Patterns** | Data Access Objects, object-oriented design, Model View Controller Architecture and Front Controller. |
| **Version controls** | SVM, GitHub, RStudio, Spyder, Octave GUI, KNIME, Coggle.  |
| **Web Services** | AWS. |
| **Web Services** | JBoss, WebLogic, WebSphere, Tomcat, Jetty, Apache |
| **Frameworks** | Spring (MVC, AOP, ORM, Web Service, DAO, Social, Security, etc.), Hibernate ORM 5.0.2, Bootstrap, Struts, Tiles, DWR (Direct Web Remoting) |
| **Reporting Tools** | Jasper Reports, BIRT, Crystal Reports. |
| **Other Tools** | Swing, Agile, RUP, Subversion, Jasper, Reports, JMock, Microsoft Visio.  |
| **Methodologies** | SDLC, RUP, Agile (Scrum/Extreme Programming). |
| **Design/Version Control** | Rational Clear Case, CVS and Tortoise SVN and PVCS |
| **Parsing Techniques :** | JSON Parsing and XML Parsing. |

**Client : BTIS ,** **Roseville, CA Nov 2019-Till Date**

**Role : Android Developer**

**Description :** BTIS is a financially stable, nationwide wholesale intermediary with a small business attitude that believes in building and fostering solid relationships through communication and genuine concern for our customers.

**Responsibilities:**

* Worked in different phases of project life cycle like design, development, and testing of application for Android mobile devices.
* Involved in requirement gathering, UI design, and development.
* Implemented web views, list views & populated lists from the database using simple adapters.
* Implemented Android content providers for implementing features like sending **E-mails, SMS**, etc., from the app and designed suitable GUI for these applications.
* Responsible for design of user interface using various custom layouts, buttons, dialog boxes, alert boxes and edit boxes.
* Designed downloading files and images by showing Progress Bar Activities and implemented Status Bar.
* Responsible for **SERVICES, ASYNC** tasks, and Alert Notification API to implement event reminder feature into the mobile app.
* Strong experience with Android Framework APIs such as **Google Maps, Camera, Resource Manager**, Fragments, Location Manager, Notification Manager, Content Providers, Contact Manager, Telephony API and REST APIs.
* Experience in using dependency injector called **Dagger** to test the classes
* Experience in Android Integration framework tools like **Espresso** and **Gradle.**
* Experience using **AWS** to store and retrieve huge data by Client-Server interaction.
* Development access restriction features using Authentication and Authorization tokens.
* Embedded Google Maps API, GPS Location Data into the app with zooming controls.
* Responsible for the Saved data in the **SQLite** database.
* Modified Android manifest XML file to include all user permissions such as **GPS, SMS READ /SEND / RECEIVE.**
* Worked on UI and backend Android framework related issues during OS upgradation on Android Studio.
* Experience in Android Networking Libraries like **Volley** and **OKHttp.**
* Experience in integrating the application with analytics to log User Sessions and Touch Gestures.
* Involved in development and enhancements of features to restrict the usage based on Authorization and Authentication tokens.
* Understanding system requirements, test case planning and execution, Functional testing, Integration Testing, Track issue records and reporting by using bug tracking tool.
* Experience in using communication protocols in a network using **TCP IP** and **UDP protocols**.
* Experience in the required GUI by making modifications to the **XML** files.
* Experience with REST and SOAP web services.
* 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**.
* Experience with authenticated sessions using OAuth and authentication tokens.
* Worked with business stakeholders, creative teams, offshore teams and technical teams at all levels of an organization.
* Created multiple Content Providers with a native approach to handling UI asynchronous updates.
* Managed development with a team of Android developers, back-end developers, and front-end designers.
* Coded in Java using Android Studio, on the app in MVP architecture to achieve a complete separation of concerns, better code reusability, and a higher percentage of unit tests.
* Used **RXJava** as a library for composing asynchronous and event-based programs by using observable sequences.
* Often used project libraries like**Android Support Library, Dagger, Butter Knife, Event Bus, View Pager, Rx JAVA, ORM-LITE** and another common library.
* Used **GIT** for project management and version control.
* Performed test cases for the smooth functioning of Immersion reading using both **Gradle** and **ANT** build System.
* Good knowledge and implemented interfaces like **Java JNI** and **HAL** like issuing requests for captured results to the camera subsystem.
* Broad knowledge of **NFC** payment which was integrated into the app itself.

**Environment** : Android SDK 8.0, SQLite 3.6, Eclipse IDE 3.5, Android API's, JDK 1.8, XML, JSON, GPS, ADT Plug-in, CVS (version control), JNI, Logcat, DDMS console.

**Client:BBVACompass,Birmingham,Alabama Aug 2018-Oct 2019**

**Role : Android Developer**

**Description :** BBVA USA is a bank holding company headquartered in Birmingham, Alabama. It has been a subsidiary of the Spanish multinational Banco Bilbao Vizcaya Argentaria since 2007 and operates chiefly in Alabama, Arizona, California, Colorado, Florida, New Mexico, and Texas.

**Responsibilities:**

* + Participated in the full lifecycle development process from product definition through design, development, test, release, and maintenance.
	+ Streaming using **RTSP** with the feature of the multi-audio track, subtitle, closed caption, live TV buffering, pause, seek, smart buffering and failover feature.
	+ Worked with EXO Player and responsible for integrating and testing video streaming and DRM content.
	+ Local File playback supporting **Multi-audio track, Subtitle, Seek, Trick mode**.
	+ Worked on Fragments, Activity workflow, Action Bar Navigation, Menu designs, custom views, and Loaders (Image, AsyncTask, file).
	+ Worked on Location **Manager API** and Google Location Services to locate nearby agents with respect to the customer with the ability to navigate to the agent and call the agent location.
	+ Incorporated maps component using **React Native** to render geographic locations and allow users to find closest places based on **Geo JSON** data
	+ Creating various custom views for the application using standard Android components, database, services and various UI widgets types.
	+ Designing and developing the Web Tier using **JSP, Servlets, HTML**, **Struts** and tiles framework.
	+ Created a real-time web platform using jQuery Mobile, Flex, WCF Services and TSQL stored procedures.
	+ Added selectors and animation effects on **UI/UX** elements to enhance the User Experience.
	+ Worked on UI front-end technologies like **HTML5, CS, JavaScript, AJAX** and Angular JS
	+ Worked on web views, list views, scroll View & populated lists, Recycler views, material design to display the lists using simple Adapters, base adapters and Recycler View Adapter
	+ Extensive use of Fragments to enhance user interface experience.
	+ Integrated Web services for consuming the **REST** services, getting **JSON** response and parsing them to get the required data.
	+ Worked directly with backend server teams providing many services including; Audio and Video streaming.
	+ Implemented a refresh floating action button on the map fragment, to refresh the map contents.
	+ Worked on **Google Map API's** to get Current location, longitude and latitude values and Timezone
	+ Fixed the bugs identified by the QA testing team
	+ Programmed and implemented NDK modules in C and C++ to access lower level Linux drivers to App level for implementing transmission protocols.
	+ Created a new **XML layout** with Android Map View to display the location Map and defined the layout that can be reused.
	+ Developed an app using the **Google Play Services** APIs like Web Services for directions and places in client applications.
	+ Tested the app on various versions of Android and different Android mobile devices to assure quality and performance.
	+ Using **PhoneGap/Cordova** to access device APIs such as camera and geolocation to deploy an Android app.
	+ Used third-party SDKs and libraries like **Crittercism**, **Apptentive**, Google Analytics, EventBus, **Couchbase, Retrofit**, and Picasso for tracking crashes and usage data, loading images, API calls.
	+ Working on the video streaming by using **UDP protocol** which can be viewed on an android tablet
	+ Familiar with **Android NDK** to create the native library files to be used by Services.
	+ Conducted product integration and testing (using JUnit) on various Android devices.
	+ Efficient and clean code integration and backup using **Jenkins** and **GIT.**
	+ Working in Agile methodology, daily status update, scrum meeting, retro, sprint planning.

**Environment**: Android SDK, Eclipse IDE, Google Maps, GPS, Wi-Fi, AML and SQL Databases, JIRA, DOORS, JUnit, GPS Services, TDD, PhoneGap/Cordova, Android NDK, UDP protocol, JSP, Servlets, HTML,XML layout.

**Client : Comcast - Herndon, VA. Apr 2017-July 2018**

**Role: Android Developer.**

**Description :**  Comcast Corporation is a global media and technology company with two primary businesses, Comcast Cable and NBCUniversal. Comcast Cable is one of the nation’s largest video, high-speed internet, and phone providers to residential customers under the XFINITY brand, and provides these services to businesses.

**Responsibilities :**

* Worked on the development and debugging of Meeting application that involves the use of calendar API to fetch the calendar events, meetings, and webinars.
* Implemented the functionality of Meeting Status logic to give meeting alerts based on the various meeting categories (Overlap, Conflicting and back to back meetings) and implement custom fonts and color and layout rebranding according to the material design specifications.
* Implemented Mix Panel Analytics to analyze different user actions in the application based on different events and properties and created user profiles to store properties for a specific user.
* Used **Butter Knife** Library for view injections and **Dagger 2** for dependency Injections
* Used **Android SDK** and **Eclipse IDE** for development.
* Participated in complete Software Development Life Cycle (SDLC) for proper analysis, development, testing, deployment, and enhancement of the code.
* Involved in requirement gathering and designing of the application.
* Responsible for consuming the web services of a **REST**API using **Retrofit**, getting **JSON** response and parsing them to get the required information.
* Integrated location-based services using Google Maps API to display locations of the nearest stores.
* Implemented unique design for portrait and landscape mode.
* Implemented **SQLite** databases to monitor shipments.
* Implemented customized web view component to load an **SWF file** and **HTML** data.
* Handling **XML** data using efficient parsing techniques such as **DOM** parser.
* Work closely with the web application development team to ensure proper integration between mobile application and web application.
* Handling **RESTful** Networking: (Retrofit/OKHttp), **RXJava**
* Tested the application on various Android devices.
* Used Android content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications.
* Used services, Asynchronous tasks, and Alert Notification API to implement event reminder feature into the mobile app.
* Followed agile methodology for implementing the Application.
* Worked on debugging the application using **Logcat, DDMS.**
* Involved in developer testing by porting the app to multiple devices with various screen sizes.
* Enhanced search functionality by adding autofill and search history features.
* Test and error logging on different versions and devices of Android. Debugging them in the very first phase of development. Making app crash proof. And implemented an error reporting system for future development support.
* Experience in **XML** parsing on the client side using **JSON** implemented a **DOM**-based implementation of feed parser.
* Created a local database using **SQLite** to store and retrieve the data.
* Used shared preferences to store and retrieve persistent key-value pairs across user sessions.
* Used subversion for branching and merging new features without disrupting mainline development on trunk.
* Fixed the bugs identified by the **QA** testing team.

**Environment** : Android Studio 2.3, SQLite, Android SDK 24 (7.0), Android Auto, Android OEM, Activity, AppCompact, Broadcast Receiver, Notification, Multi-threading, Shared preferences, Fragments, Customized Views, OKHTTP3, Jackson 2.7.3, Eclipse ADT, Smart SVN, Postman, Site Catalyst, JUnit, Espresso.

**Client : Standard & Poor's-NY US. Jun 2015-Mar 2017**

**Role : Java developer.**

**Description** : Standard & Poor's Financial Services LLC (S&P) is an American financial services company. It is a division of S&P Global that publishes financial research and analysis on stocks, bonds, and commodities. S&P is known for its stock market indices such as the U.S.-based S&P 500, the Canadian S&P/TSX, and the Australian S&P/ASX 200.

**Responsibilities :**

* Involved in the requirements Analysis meetings and understand the requirements for the modules for development.
* Followed agile methodology and participated in daily **SCRUM** meetings.
* Developed Use Cases, Class Diagrams, Sequence Diagrams and Data Models using Microsoft Visio.
* Used **HTML5, CSS3, JavaScript** and**jQuery** to create user login, search & portfolio and report creation interface.
* Designed and developed very complex and large web pages using **AngularJS, HTML 5** and **CSS**.
* Working knowledge of how to use Web Services and integrate Angular JS, Node JS components with server-side components.
* Developed single page applications (**SPA**), components using Angular JS directives, controllers, view and routing, service modules.
* Worked with Java Multithreaded programming to develop multithreaded modules and applications.
* Implemented navigation using **Spring MVC** controllers, configured controllers using Spring MVC annotations and configuration files.
* Designed and Developed End to End customer self-service module using annotation-based **Spring MVC, Hibernate, Java Beans,**and**jQuery.**
* Used **Spring boot** and security module to implement login and authentication feature.
* Used Hibernate Cache for the query to improve the application performance.
* Provided connections using **Spring JDBC** to the database and developed SQL queries to manipulate the data.
* Created **REST** based web services using **JAX-RS** library.
* Customized **RESTful** Web Service using Spring RESTful API, sending JSON format data packets between front-end and middle-tier controller.
* Used **Spring DAO** concept to interact with the database (DB2) using JDBC template.
* Wrote **SQL** queries, **PL/SQL** to interact with **DBMS**
* Worked with **XML** and **JSON** contents.
* Used **Row Mapper** interface for mapping rows with the instance of a class.
* Utilized **Spring annotations** and XML configuration for Dependency Injection
* Strong code defect identification and resolution strategies
* Involved in **Analysis, Design, development**, testing, and Maintenance using UML.
* Worked on Database Stored Procedures and Functions, views and Synonyms.
* Used **GIT** controls to track and maintain the different version of the project.
* Used **Log4j** to print the logging, debugging, warning, info on the server console.
* Used **Jenkins** as a primary tool for implementing the **CI/CD** during code releases.
* Conducted regression testing for all the previous updates which was done in the previous release.
* Used **JUnit** for testing.
* Used Eclipse as IDE tool to develop the application and JIRA for bug and issue tracking.

**Environment** : Java (1.6), Spring 4.0, Hibernate 4.3.0, Maven 3.3, JAX-RS, Spring MVC, Spring JDBC, HTML5, CSS 3, JavaScript, AJAX, AngularJS, Junit, 4JMock, Web Sphere Application Server, GIT, Java Beans, Row Mapper, Jenkins, Eclipse Luna, DB2, JIRA, EJB, JSON, XML, JSP, Servlets, Log4j and Agile.

**Client : Magna Quest Technologies Pvt. Ltd-Hyd. Nov 2013-May 2015**

**Role : Java Developer.**

**Description** : Magna Quest Technologies limited is a trend-setting and fascinating innovative Enterprise Product-based Solutions Company, which has established its leadership over 15 years, in three broad lines of businesses.

 **Responsibilities :**

* Involved in Analysis, design and coding on **Java** and **J2EE** Environment.
* Implemented **struts MVC** framework.
* Designed, developed and implemented the business logic required for Security presentation controller.
* Set up the deployment environment on **Web Logic** Developed system preferences **UI screens** using **JSP** and **HTML.**
* Developed **UI screens** using Swing components like **JLabel, JTable, JScrollPane, JButtons, JTextFields**, etc.
* Used **JDBC** to connect to Oracle database and get the results that are required.
* Designed asynchronous messaging using **Java Message Service** (JMS).
* Consumed web services through **SOAP** protocol.
* Developed web Components using JSP, Servlets and Server-side components using EJB under J2EE Environment.
* Designing **JSP** using **Java Beans**.
* Implemented **Struts framework 2.0** (Action and Controller classes) for dispatching request to appropriate class
* Design and implementation of front-end web pages using **CSS, DHTML, JavaScript, JSP, HTML, XHTML, JSTL, Ajax** and **Struts** Tag Library.
* Designed table structure and coded scripts to create tables, indexes, views, sequence, synonyms and database triggers.
* Involved in writing Database **procedures, Triggers, PL/SQL** statements for data retrieving.
* Developed using Web 2.0 to interact with other users and changing the contents of websites.
* Implemented **AOP** and **IOC** concept using **UI Spring 2.0 Framework**.
* Developed using Transaction Management API of Spring 2.0 and coordinates transactions for Java objects
* Generated **WSDL** files using AXIS2 tool.
* Developed using **CVS** as a version controlling tool for managing the module developments.
* Configured and Tested Application on the **IBM Web Sphere App**. Server
* Used **Hibernate ORM** tools which automate the mapping between SQL databases and objects in Java.
* Developed using **XML XPDL, BPEL and XML** parsers like **DOM, SAX.**
* Developed using **XSLT** to convert **XML** documents into **XHTML** and PDF documents.
* Written JUnit test cases for Business Objects, and prepared code documentation for future reference and upgrades.
* Deployed applications using WebSphere Application Server and Used **IDE RAD** (Rational Application Developer).

**Environment** : Java, J2EE, JSP, Servlets, MVC, Hibernate, Spring 3.0, Web Services, Maven 3.2.x, Eclipse, SOAP, WSDL, Eclipse,jQuery, Java Script, Swings, Oracle, REST API, PL/SQL, Oracle 11g, UNIX.

**Client : Impact Software Solutions-HYD. Mar 2012-Oct 2013**

**Role : Java Developer.**

**Description** : IMPACT IT SOLUTIONS is an Expert IT Solutions Company providing all kind of Web Solution like Custom Web development, E-commerce Application Development, Web Application development, Ecommerce Solution Development, Web-based application Development, web &web-based IT solutions to a wide variety of clients across India & rest of the Globe.

**Responsibilities :**

* Designed & developed the application using Spring Framework
* Developed class diagrams, sequence and use case diagrams using **UML Rational Rose.**
* Designed the application with reusable **J2EE** design patterns
* Designed **DAO** objects for accessing **RDBMS**
* Developed web pages using **JSP, HTML, DHTML and JSTL**
* Designed and developed a web-based client using **Servlets, JSP, Tag Libraries, JavaScript, HTML and XML using Struts Framework.**
* Involved in developing JSP forms.
* Designed and developed web pages using HTML and JSP.
* Designed various applets using JBuilder.
* Designed and developed Servlets to communicate between presentation and business layer.
* Used **EJB** as a middleware in developing a three-tier distributed application.
* Developed Session Beans and Entity beans for business and data process.
* Used **JMS** in the project for sending and receiving the messages in the queue.
* Developed the Servlets for processing the data on the server.
* Developed views and controllers for client and manager modules using **Spring MVC and Spring Core**.
* Used **Spring Security** for securing the web tier Access.
* Business logic is implemented using **Hibernate.**
* Developed and modified database objects as per the requirements.
* Involved in Unit integration, bug fixing, acceptance testing with test cases, Code reviews.
* Interaction with customers and identified System Requirements and developed Software Requirement Specifications.
* Implemented **Java design** patterns wherever required.
* Involved in development, maintenance, implementation and support of the System.
* Involved in initial project setup and guidelines.
* Implemented Multi-threading concepts.
* Developed test cases for Unit testing using JUnit and performed integration and system testing
* Involved in coding for the presentation layer using **Struts Framework, JSP, AJAX, XML, XSLT** and **JavaScript**
* Closely worked and supported the creation of database schema objects (tables, stored procedures, and triggers) using **Oracle SQL/PLSQL.**

**Environment** : Java / J2EE, JSP, CSS, JavaScript, AJAX, Hibernate, Spring, XML, EJB, Web Services, SOAP, Eclipse, Rational Rose, HTML, XPATH, XSLT, DOM and JDBC.