**Ramesh**

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*Android Developer*

**PROFESSIONAL SUMMARY:**

* Over 7 **years** of extensive hands on experience in **Java, J2EE and Android** Software Development, Relational Database and Object Oriented Programming environments.
* Solid exposure to all phases of **Software Development Life Cycle** (**SDLC** ) process, including Use cases, functional and technical specification, documentation, test plan reviews, source control, deployment and maintenance.
* Experienced in designing, developing and maintaining and supporting Internet/Web and Client Server applications on both UNIX and Windows platform **using Java and J2EE.**
* 4 years of experience in **Android Product** and android application development with customization of applications inside the Android operating system for various sharp android smartphones
* Proficient with **Java (1.4 to 1.7), Android SDK** version Android 2.2 to Android 6.0 (**Froyo, Gingerbread, Honeycomb, Ice Cream Sandwich, Jelly Bean, KitKat, Lollipop, Marshmallow**).
* Strong knowledge on **object oriented programming and software engineering**.
* Expertise in **Data Structure, Multithreading, Collections, Exception handling**.
* Thorough understanding and implementation experience of developing **SOA using middleware J2EE Restful Web Services.**
* Very good knowledge of programming Languages: Java | Kotlin | C# | PHP | JavaScript | HTML | CSS
* Thorough experience and knowledge in Android UI Design and Application Frameworks such as ActivityManager, Resource Manager, **Notification Manager, Location Manager, Telephony Manager,**Content Providers, Map View and Map API.
* Migrated multiple components to Kotlin making use of the new extension
* Experienced in **building ROM for handsets and testing the applications by flashing the ROM image to handsets**
* Experience in working with **Bluetooth Low Energy**.
* Experience with different methodologies like **Waterfalls, Agile** and **Scrum**.
* Experience in working with **GSON and Jackson JSON** parser and XML Parser
* Experience on web service integration **(SOAP, REST, JSON, XML)**
* Experience with designing and usage of databases like **Sybase, SQL Server, and SQLite Databases**
* Worked on **Eclipse, Android Studio** and NetBeans IDEs and **SCM tools** like **GITHub**, **subversion and Clear case**
* Work experience with GIT to handle branching, pushing and merging codes with remote repository
* Experience in **Gradle** with android studio.
* Experienced in **leading development teams** and ability to implement projects with demanding objectives.
* Expertise in building presentation layer by using **Swing.**
* Experience with **JUNIT** for unit testing and **Log4J** for logging.
* Used **JIRA** as a Bug and issue tracking software to find record and track bugs in the software.
* Strong organizational skills coupled with high work ethics.
* Adept at developing applications based on java and related technologies according to technical / business specifications. Flexible in learning new technologies supporting business needs.
* Ability to work in tight schedules and efficient as well as proactive in meeting deadlines and escalating red flags.
* **Sun certified java developer**.

**TECHNICALSKILLS:  
  
 LANGUAGES** Android(2.2 to 6 ), Core Java (1.4 ,1.5,1.6,1.7), J2EE,Kotlin, SQL

**MARKUP LANGUAGES** HTML, DHTML, CSS, XML

**OPERATING SYSTEMS** Windows 95/98/2000/XP, Windows NT, Unix, Linux

**INTERNET TECHNOLOGIES** J2EE, Web Services, Design Patterns, JDBC, Java Beans, JAX-RPC Web Services, XML, HTML4.0,

**WEB/APP. SERVER** Websphere 5.0/6.0, Tomcat (7,8), JBOSS

**TOOLS/FRAMEWORKS** Jbuilder 8.0, CVS, ANT, MAVEN, JUnit, Log4j, XML Spy 4.0, Eclipse, Subversion, Clear Case, Clear Quest, Android Studio, Ant, Gradle, Android SDK 2.X/3.X/4.X, Java Development Kit (JDK),

**XML/WEB SERVICES** XSD, DTD, DOM, SAX, StAX, SOAP, WSDL, UDDI, REST

**RDBMS** SQL Server 7.0 / 2000, SQLite , Sybase

**OOAD** UML

**GUI** Swing, AWT

**OPERATING SYSTEMS** Windows, Android Variants

**EDUCATION:**

* **B. Tech,** Electronics and Telecommunication, Kerala University, India- 2007**.**

**PROFESSIONAL EXPERIENCE:**

**Client:Bank of America, Houston, TX**

**Role: Software developer/Android Developer**

**Duration: Feb’ 2016 – Till Date**

**Responsibilities:**

* Worked as a tech lead for this project
* Involved in study of User Requirement Specification, communicated with Business Analysts to resolve ambiguity in Requirements document.
* Worked in **Agile Methodology**
* Created **Rest Client in Java using Apache HttpClient**
* Extensively used **Java Collection** Framework APIs handle application logic.
* Used the **third party API** provided by Vidyo for video conferencing and rendering.
* **UI development** for the Android application. Used **Android layout** to align the UI components.
* Processed the **JSON** response from Vidyo using GSON APIs.
* Persisted data in **SQLite database** and perform CRUD operations on it.
* Debugging using **ADB/TraceView/DDMS/LogCat.**
* Design, code and test in-flight entertainment companion application, using the Android SDK, Android Studio and Kotlin.
* Used **Async Task and Handlers to process** the back calls in an asynchronous was, this helps in reducing any lag in the UI display.
* Experienced working with C, C++, Objective C, Swift, Java using X-code, Android Studio Kotlin as secondary programming language.
* Used **Content Providers** for implementing features like sending emails and SMS from the application.
* Implemented **List View** with search functionality, to search the contacts.
* Used GitHub as project version controller.
* Working with testing team in analyzing and resolving production issues and bugs.
* Used Gradle (plugin) as build tool.
* Responsible for working with kotlin as secondary programming language.
* Development of **Alexa** Skill to play the latest, trending, and featured sermons, and play sermons by speaker
* Playing an integral role in organizing and running the inaugural Techstars Amazon **Alexa** Accelerator.
* Worked on automatic speech recognition (ASR) and language model for **Amazon Echo (Alexa)**
* **Alexa** Smart Home Mobile Application: testing for controlling smart lights, thermostats, locks and other Smart Home devices.
* Used Kotlin to code the Junit test cases.
* Implemented transcription and annotation speech conventions for Amazon Alexa on its Show, Echo and Dot devices
* Annotated utterances according to **Alexa** Data Services guidelines.
* Generated the APK with options for debugging and changing version number.
* Tested the application by installing the APK in phone
* Used **Emulator** for debugging.

**Environment:** JDK 1.7, Android 4.4 to Android 6 SQLite, Android Studio, Tomcat, Kotlin, Rest Web Service, XML, Sub Version, JSON, JSON, Rest Web services, Jira

**Client: Allscripts, Boston, MA**

**Role: Senior Developer  
Duration: Oct 2013 to Jan 2016**

**Responsibilities:**

* Implemented the processing of Catalina offers into OMS. This includes pulling the offers using rest service offered from Catalina.
* Created **Java Rest Client using Apache HttpClient**
* Created **Rest Web Service** to publish the offers to multiple departments within Safeway.
* Updated UI to incorporate the Catalina offers.
* Work with Catalina to set up test environments to test end to end testing between Safeway and Catalina.
* Created complex **SQL queries** to perform CRUD operations on the offers in the Oracle Database.
* Work with business to gather requirements.
* esponsible for consulting customers on smart home integration with
* **Amazon Alexa** and and 3rd party devices
* Developed an Alexa Skill through Amazon Marketplace to optimize accessibility and access to individual seller data for third-party vendors on Amazon
* Developing app that allows users to operate TVs and other remote controlled devices with voice commands using **Amazon Alexa**
* Utilizing Amazon S3, implemented Node.js inline skill creation with **Alexa**
* Write test cases to verify the functionality.

**Environment:** Windows-Development Env, Linux (Production), Tomcat 7.X, JAVA/J2EE, Spring 3.X, Hibernate 3.X, Jenkins, Oracle, Rest Web services

**Client: Sharp, London, UK**

**Duration: Sep’ 10 – Sep’ 13**

**Role: Senior Software Engineer**

**Project : 1**

**News & Music application for Sharp Mobile**

Creating Music application and news update applications and customizing the launcher application. This is an internal application and it’s developed for Android phones. This application involves a UI and the data will be populated by contacting a Web server using Rest. Based on the taste of the user, this application can list the music and news.

**Responsibilities:**

* Gathered all requirements from various Verizon business customers.
* Followed **Agile Scrum** methodology.
* Developed **the UI in Android**, for the application
* Used **SQL queries** to perform CRUD operations on **SQLite** database
* Used Content Resolver and Curser for implementing database functionalities.
* Used Java features, **Collections and Exception Handling.**
* Involved in designing and implementing the back **end Web services using Rest**.
* Used **JSON** as the data transfer format.
* Implemented the **List view** using **adapter** class
* Used **Media Player and services class** for playing music.
* Used **Android Media Player framework**
* Participated in the Client call to get more clarity on the requirements and changes.
* Successfully completed **UAT** support and continued **Production** support.
* Used GIT as version control tool.
* Debugging using **ADB/Trace View/DDMS/LogCat.**

**Environment:**  Java6, Android 4.4, SQLite, Android Studio, Tomcat, Rest Web Services, XML, Sub Version, GIT, Google Maps API, Jira

**Project : 2**

**BLE Profiles (DL20))**

The Bluetooth low energy (BLE) project was targeted for ICS based SHARP handset DL20. At its core, the project is about creating Bluetooth Low Energy applications on Broadcom chip. The project involved implementing BLE profile applications namely FindMeTarget, FindMeLocator, Alert Notification Profile, Phone Alert Status Profile, Proximity Profile and Time Profile. After implementation, the afore mentioned projects were then included under a new category called “BLE Settings” inside the Settings application of ICS

**Responsibilities:**

* Analysis and understanding of business requirements.
* Effectively participated in weekly **client** communications with Business Analysts.
* Involved in the architecture team for design and implementation of system.
* Understanding Broadcom API
* Implementing **Find me server find** me client and time profiles.
* Implemented basic Search and **advanced Search APIs**.
* Involved in the database design and devised several search criteria in order to find different categories.
* **Used collection framework** rom Java.
* **Scrum mastering the agile team** deployed for the project
* Overseeing the implementation, quality and timely delivery of the project
* Debugging using **ADB/Trace View/DDMS/LogCat.**
* Used components **Activities, Intents, services and customer UI components such as Text View, List view.**
* Used Bluetooth API’s
* Used **GIT** as version control tool.
* Collected the details from GATT serves

**Environment:** Java, Android 4.4, SQLite, Android Studio, Tomcat, Rest Web Services, XML, Sub Version, GIT, Google Maps API

**Project : 3**

**EC40 customization of android 2.2 source**

Customize the android 2.2 source code for the use of Sharp android devices. This involves understanding the android 2.2 code and incorporates the client’s requirements. The customization has been done for messaging, contacts, video streaming etc. Merging the Messaging code (Fixes for issues) to the EC 40 source code and testing the code.

**Responsibilities:**

* Leading a team of four people.
* Downloading the android source code and learning it for customization of the code.
* Customize the messaging application for Sharp’s devices.
* Implementing the **WAP** push messaging.
* Worked on Android Frameworks like Notification, Telephony , location etc
* Enhancements and bug fixing.
* Implementing the code to support the **National roaming.**
* Customized the android code to support the requirement for Sharp.
* Use a Flash tool to **flash** the Android phone, and installed the customized OS in the phone.
* Unit test case preparation using **Junit**
* Followed **Agile Scrum** methodology.
* Used Android framework APIs, such as locations, camera, notifications and maps.
* Used **GIT** as version control tool.
* Implemented **custom application** widgets and components.
* Debugging using **ADB/Trace View/DDMS/LogCat.**
* Used J**ava Collection Framework, Threads and Exception Handling**.
* Customized **the Home Screen launcher**
* Created new applications and add them to the source code. The new application code is added into the packages/apps folder. Then modify the **android.mk and core.mk** file to include the app in the source code.
* **Customized the YouTube application**. YouTube application for the E- book reader is the replica of the mobile YouTube application. It loads the data from the YouTube server. It shows most viewed videos, most discussed; most rated and top rated videos. The user is allowed to rate and comment on the selected videos. If the user is having YouTube account, then he is allowed to add those videos to his account.

**Environment:** Java, Android 4.4, SQLite, Android Studio, XML, Sub Version, Ant, Java Collections, GIT, Design Patterns.

**Project : 4**

**Yellow Pages Application**

“Yellow pages” is a search application, to find out the restaurants, hospitals, coffee houses etc. This has been developed using android 2.2 for the Sharp Chateau devices. It loads the data searched by the user. The reviews and the ratings for the searched results will also be displayed by this application.

**Responsibilities**:

* Followed **Agile Scrum** methodology.
* Used **GIT** as version control tool.
* Implemented **custom application** widgets and components.
* Debugging using **ADB/Trace View/DDMS/LogCat.**
* Used J**ava Collection Framework, Threads and Exception Handling**.
* Integrated Google Maps into the application using Android Location-based APIs to display addresses and locations.
* Added support to detect internet status, before making any request. Used **Connectivity manger** for this.
* Interpreted the **wire frame** and created the functionalities according to it.
* Worked with UI components Layouts**, Menu, Action Bars, Scroll views, List views** etc..
* Implemented **Notification framework** for various UI components using Item **listeners**.
* Worked **on styles, colors and font**s and used images for the application.

**Client: Brocade, San Jose**

**Duration: Jan’10 – May’ 10**

**Role: Software Engineer**

**Brocade network Manager (BNM) and Data Center Fabric Manager (DCFM)**

Brocade Data Center Fabric Manager (DCFM) Enterprise manages and secures the flow of data across multiple fabrics from a central view. DCFM Enterprise centralizes management of Brocade fabrics within and across data centers, including those with different protocols. Administers data centers via industry-leading monitoring, troubleshooting, diagnostics, and event notification capabilities. Secures data flow from applications to storage across data center fabrics by managing user access controls and ensuring consistent security settings. Delivers real-time and historical performance monitoring to enable proactive problem diagnosis, maximize resource utilization, and facilitate capacity planning. In addition, it provides unmatched scalability and performance to help IT organizations manage the unrelenting growth of data moving across today’s data center networks. DCFM Enterprise configures and manages Brocade DCX Backbones, directors, switches, and extension solutions, as well as Brocade data-at-rest encryption and HBA products.

**Responsibilities:**

* Responsible and actively involved in the analysis, design, implementation and deployment of full software development life-cycle (SDLC) of the project.
* Used **Java Swings** for creating the Configuration Wizard
* Involved in the maintenance of **the IA installer**
* Part of the support team to fix defects.
* Involved in creating UI support for new devices from Brocade. This involves event handling using.
* Used **Java Collection framework** to build a cache to maintain all the discovered network devices in the UI.
* The look and feel of the UI is controlled using **XML** files.
* Used different layouts like **Box, Grid bag and Flow layout** to align components in the UI
* Used components **JButton, JTable, JTexView and JTextArea** for developing the UI.
* Used **Swing Worker** Thread for processing the back ground tasks, whereby preventing any lag on the UI updates
* Configured and customized **logs** using **Log4J**.
* Used **Event Notification framework** for sending notifications between different UI components.
* Fixing defects related to **Configuration wizard**, through which we will be able to configure the parameters during installation.
* Part of the defect prevention team to introduce new processes to reduce the defect count and improve the product quality.
* Used **iBatis** as the ORM framework for persisting the database entities.
* Deployed the application in JBoss Server. The application is deployed as a **EAR** package
* Used **Clear Quest** as the Configuration Management tool
* Clear quest is used for defect management.
* Extensively used Java collection framework.
* Developed various **UML** diagrams like **use cases, class diagrams,interaction diagrams** (sequence and collaboration) and activity diagrams.
* Used ANT for building the application.

**Environment:** J2EE, PostgreSQL, Java, Collections, Swings, XML, Eclipse 3.0, CVS, Junit, Clear Quest, Clear Case, JBoss Server, iBatis, Ant