SANDHYA REDDY

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Career Objective

To emerge as highly professional and result oriented software engineer with highest degree of motivation and hard work to make significant contributions by successfully executing challenging projects in Java and Android Technologies.

Experience Summary

- **Around 7+ years** of experience in designing and developing **Java** and **Android** projects.

- Thorough knowledge of **Java programming**, **Android Application Framework**.

- Thorough knowledge of **Email and Calendar Integration**

- Thorough knowledge in **Android UI Design** and **Application Frameworks** such as **Activity Manager, Fragments, Resource Manager, Notification Manager, Location Manager, Telephony Manager, Content Providers, Map View** , **Map API's** and **GPS** etc.

- Proficiency in developing applications using **Oracle, MySQL, SQL Server 2000 and SQLite** databases.

- Knowledge in **XML, XSLT,HTML, AJAX, UML, JDBC, JSON, JavaScript.**

- Experience in Android debugging tools such as **DDMS, ADB, Trace, Logcat**

- Experience in **Unit/Integration Testing** and **Performance Testing.**

- Experience in **Object Oriented modeling** based on **UML** in Microsoft **Visio**.

- Hands on experience in using source code management tools like **VSS, GIT, Subversion**

- Knowledge in **Linux** Environment and basic Linux commands.

- Experience in Requirements Analysis , developing Technical Specification, Data Modelling and Design Document.

- Involved in depth at all phases of project life cycle, such as requirement analysis, design, coding, testing and release.

- Knowledge in **Quality Assurance standards**, software development methodologies like **Agile** and **Waterfall**.

- Good team member and attitude towards learning new technologies.

Technical Skills

- Technologies   Android SDK, Core Java, SQLite

- Programming Languages   Java, DotNet,C, C++, Java Script

- IDE   Eclipse, NetBeans

- Android Frameworks   Activity Manager, Resource Manager,

	Notification Manager, Location Manager, Telephony Manager, Content Providers, Map API's.
☐ Database	MySqL, Oracle, SQLite
☐ Android Debugging Tools	DDMS, ADB, TraceView, LogCat
☐ Web Technologies	REST,SOAP, HTML,CSS, JavaScript, JSON, XML, JQuery, AJAX
☐ Operating Systems	Windows, Linux
☐ Version Control	VSS, Subversion, GIT

Education

☐ Bachelor of Technology in **Computer Science Engineering** from JNTU, Hyderabad, India , 2004.

Professional Experience

Client: Toyota ITC, Mountain View, CA.   Aug 2013 – Till Date
Role: Android Developer
Environment/Technology: Android SDK 4.2, Activities, UI Layouts, Services, REST, JSON, Eclipse.

Project 1: Ad Drive
Description: This App is created to validate the User Experience Technology. It provides targeted ads to the driver in the car based on user info, history and the location. This app is integrated with 3rd party music player SDK, to play the internet radio. The Ads will be fetched from the backend server agent and played in between the songs. It also provides option to save and retrieve the preferred Ads.

Project 2: Agent Interaction
Description: This App is used to map the user speech request's, to the basic car features. It will take the user request through speech, and converts it to text. Then, it fetches the response from the agent server, mapping the converted text request to car feature. The text response is printed on the screen and also converted back to speech.

Role:
As an Android developer implemented the Apps for Toyota car head unit.

Responsibilities:
- Responsible for full life-cycle development of the application.
- Implemented the UI for the app using Maps, Layouts, Buttons, and Image Views etc.
- Implemented the Service and Async Task to interact with Agent server.
- Implemented the interface with Media Player framework to play Ads and Songs Audio Streaming.
- Implemented interface with Google SDK for location service and to convert speech to text and text to speech
- Integrated the 3rd party music player SDK.
- Performed device debugging using ADB and tested application in both emulator and device.
- Implemented the agent server communication using Socket API and JSON format.

Client: CRAZYNOVA, Sunnyvale, CA.   March 2012– July 2013
Role: Android Developer

Environment/Technology: Jelly Bean Android 4.2, Activities, UI Layouts, Services, Preference, SQLite, Camera, Eclipse.

Project 3: Rupya,   https://play.google.com/store/apps/details?id=com.crazynova
Description: Rupya provides "Foreign currency (USD, GBP etc) to Indian Rupee Exchange Rates", for the top Banks and Financial Institutions. It has features to track favorite banks conversion rate, provide live forex rate, various bank contact details, graphical view historical rates etc.

Project 4: Radio Live Streaming App, https://play.google.com/store/apps/details?id=com.crazynova.virijallu
Description: This App provides option to the user to listen to the particular radio shows. It also provides options to listen to the recorded audio streams, option to request for favorite songs and option to make call into live program.

Project 5: Bill Organizer
Description: Bill Organizer will provide user the capability to keep track of daily expense with just few clicks. User can quickly and easily make a complete record of every transaction and used for can expenses claims. Bill Organizer allows user to record expense information and easily send it to any email address user desire.

Responsibilities:
- Involved in the full life-cycle development of the application.
- Participated in developing the UI of the app using Action bar, Buttons, Image Views, Fragments, web view etc.
- Added tabs on Action Bar to provide various navigation options.
- Implemented the service to download the current conversion rates.
- Implemented Files read/write access, SQLite database to store the conversion rates of various banks.
- Implemented web view to display Forex graphs of various banks.
- Added Option Menu and Context Menu in the application for better user experience.
- Implemented option to play the radio live stream.
- Implemented a web view to play the recorded audio or video programs.
- Implemented option to request for song by an email or a call.
- Testing is done on emulator and also on android powered devices.
- Implemented Alert Dialog box to take Pin/Password and used Preferences to save them.
- Implemented logic to interact with SQLite DB to save and retrieve expense data.
- Coded expense receipt capture logic using Camera API.
- Implemented option to Email the selected expense along with the receipt captured image.

Client: SIMbiosys, Fremont, CA **.**   July 2011– Feb 2012
Role: Android Developer
Environment/Technology: Android SDK 4.2, Activity Manger, Location Manager, Services, Map View, Notification Manager, Location manager, Telephony Manger , GPS, preferences, Eclipse.

Project 6: My Phone Profile Scheduler
Description: This app is used to configure the user defined profiles to change volume, wireless and other phone settings quickly and easily, based time and location.

Project 7: Beauty Salon App
Description: The application is for a salon which can be used to book the appointments by the customers. Customers can also look into the services provided by the salon. Customers will be notified with the new offers/coupons provided by the salon.

Responsibilities:

- Contribution to the full life-cycle development of the application, starting from requirements gathering, design, development, and testing
- Developed user-friendly UI using widgets like **Menus, Dialogs** and **Selection** Widgets like **ListView** and **ScrollView**.
- Designed and developed multiple activities and interaction among them.
- Involved in **SQLite Database** design to store user defined phone profiles.
- Worked with Location Manager, Telephone manager, connectivity manager, Notification manager and Google Maps APIs.
- Implemented the service to download the coupons and notify the updates.
- Implemented the service to detect the device location and notify the coupons to the customers.
- Created Async tasks and threads for implementing heavy tasks.
- Used File Management to store the coupons and also used preferences for data persistence.
- Integrated Time and Calendar with the App
- Involved in using ADB commands to generate Log Files, experienced in recording logs using LogCat

Client: Discover Financial Services, Chicago , IL.   Nov 2010 - June 2011
Role: Java Developer
Environment: Java, JSP, Servlets, Java Script, JDBC, Oracle, Spring Framework, Hibernate, Ant, Pl/SQL,Unix Shell Scripting, XML,JUnit, Log4j

Project : Implementing Banking solutions
Description:DFS is an American financial services company. DFS is the third largest credit card brand in the United States when measured by cards in force, with nearly 50 million cards in force. I was part of the team which dealt with implementation of core banking solution in DFS. My role involved following responsibilities.

Client: Mindtree, Bangalore, India.   June 2008 – Dec 2009
Role: J2EE Developer
Environment/Technology: Java, JSP, Servlet, AJAX, Hibernate, JavaScript, Struts, UNIX and Oracle.

Project : Credit Limit and Payment module
Description: Credit Limit and Payment module is a B2B portal where banks put up vehicles for sale and registered car dealers can bid for them. Credit Limit refers to the total credit assigned to a registered dealer (both in terms of amount and quantity) The moderator can set the credit limit for a registered buyer by uploading an Excel file of specific format. A user can make a bid only if his current credit limit permits him to do so. Also, when a user wins/loses a bid, his credit limit is accordingly decreased/increased. Also UI is provided for user to log in and update his payment details. Once the payment details are verified by moderator, the buyer's credit limit will get incremented by the payment amount. Reports (in Excel format) can be generated at runtime by the moderator regarding credit limit or payment

Client: Srushti Systems, Bangalore, India .   Aug 2005 - May 2008
Role: Java Developer.
Environment/Technology: Java, JDBC, MS SQL Server 2000, HTML, Java Script.

Project : File Tracking Application
Description: All the documents/files are associated with RFID tags which contain the information related to the respective document. The information to the tag is written using RFID Reader/Writer through the Application. To search for a respective document, the related data is entered into RFID Hand Held Reader. Using the RFID Hand Held Reader, the documents/files are scanned. Upon finding the suitable document, the reader generates a beep sound. Physical

Verification of the documents/files can also be accomplished using the Application by performing it at regular intervals. All the documents/files are scanned using RFID Hand Held Reader.