

# Divya Sanjay

## Android Developer - ADP

- Email me on Indeed: [indeed.com/r/Divya-Sanjay/eb5090b3f898eb41](https://www.indeed.com/r/Divya-Sanjay/eb5090b3f898eb41)

- 7 years of Software Design, Development and Maintenance of applications with 5 years on Development of Android applications and 2 years on web applications using Java/J2EE.
  - Good programming skills and hands on experience in developing Android enterprise applications for mobiles and tablets using IDE's like: Eclipse, Android Studio, Android SDK and ADT development tools in Java environment.
  - Strong Knowledge in Waterfall, Agile/Scrum software development models.
  - Solid Understanding in Core Java concepts like Collections, Multi-Threading, Socket-Programming and Exception handling.
  - Expertise in Web technologies using Core Java, J2EE, Servlets, JSP, JDBC, Java Beans, and Client/Server Architecture.
  - Worked with stored procedures, triggers, and schemas of Database Management Systems
  - Proficient in Internet Application Programming using technologies like Struts, Spring, Web Services, Hibernate, EJB, JDBC, RMI, JNDI, SOAP.
  - Experience in Developing Applications using Java, Applet, Swing, Servlets, XML, Java Script, MySQL, SQL, HTML and CSS.
  - Good understanding of modern Interactive design in developing Android applications.
  - Proficient with Android SDK version (Gingerbread, Honey Comb, Ice Cream, Sandwich, Jellybean, Kit Kat, LolliPop).
  - Tested Several Android Applications using real devices, GenyMotion and Android Virtual Device.
  - Extensive debugging skills and eye to improve code performance, identify security risks and spot required validations.
  - Skilled in writing and running tests for Android applications using Robotium and Robolectric.
  - Proficient with common Android framework APIs like Services, Broadcast Receivers, Authentication, Location, Connectivity, VOICE Commands, Accelerometer, GeoFencing and Camera.
  - Hands-on experience on memory leaks, push notifications, multiple screen support, data offline usage, audio features, video features, graphic design and animation.
  - Hands on experience on Android UI components such as TextView, ListView, Customized ListView, Menus, Edit boxes, Buttons, Checkboxes, Dialogs, Alert boxes, Status Notifications, Action bars, and Spinners for various layouts in Application development.
  - Expertise in use of popular public APIs, such as Google, Facebook, YouTube, and Twitter.
  - Experience in Android debugging tools such as Monitor, DDMS, ADB, Trace, Logcat and Eclipse ADT tools.
  - Extensive back-end experience in creating structure for databases using the SQLite Database API
  - Worked with simple animation development on SurfaceView, familiar with game engine Cocos2d- Android.
  - Planned and executed detailed manual (Gantt charts), and fixed duration (time is known) project plans and creation of detailed activity documents for collaborators
  - Experienced with data persistence private, external and on the cloud.
  - A self-motivated professional possessing good technical, leadership and problem-solving skills and proven to be a good team player.
  - Good team member and passionate about learning new technologies.
- Willing to relocate: Anywhere
- Authorized to work in the US for any employer

## WORK EXPERIENCE

### Android Developer

ADP - Atlanta, GA - July 2015 to Present

ADP Mobile Solutions revolutionizes the way organizations deliver payroll, time & attendance, benefits and other vital HR information to employees by providing easy, 24/7 on-the-go access from their Android devices.

AppLink: <https://play.google.com/store/apps/details?id=com.adpmobile.android&hl=en>

#### Responsibilities:

- Altered UI layout based on end-user feedback to improve usability.
- Developed dynamic user interface through the use of tabs and fragments.
- Attended daily SCRUM meetings to track app development progress.
- Implemented ORMLite for easy database management because it maps Java objects to database tables.
- Worked with Agile development to adapt the application to the changing needs of the client
- Extensive use of JUnit testing framework to support test-driven development
- Conducted code review sessions with my pairs to standardize implementing new naming conventions and structure.
- Inserted suitable code to capture the various button and text field events and implemented the desired action for each of the widgets.
- Extensive use of compound views to show items in a ListView
- Used Multi-threading and android AsyncTask to implement parallel processing and network processing.
- Contributed to the design of the SQLite database schema for persistent data storage
- Implemented unique designs for portrait and landscape mode and different screen resolutions.
- Also worked with the web application development team to ensure proper integration between mobile application and web application.
- Implemented custom drum controller to display all the accounts and user account activities. AES Encryption is used to save the user data.
- Implemented dynamic layouts and custom components to display the user activity data.
- Wrote an interface to communicate between JavaScript and web view to handle native events.
- Developed a Plugin tool to detect privacy policy violations of the app and managed the data collection and security of collected data of the app.
- Experienced in working with Selenium framework for Android.
- Configured OTA for users to automatically get updates for latest releases.
- Experienced in using SVN and GIT as a version control tool.
- Developed GPS navigation, Direction, Search, POIs, and functionality to handle search via SMS.
- Executed build scripts to produce test and production builds.
- Used debugging tools like Charles, DDMS, and Logcat to troubleshoot my own code as well as code written by others.
- Wrote documentation for various processes and practices to provide knowledge transfer.
- Utilized Localytics SDK to capture user events for analytic purposes.
- Participate effectively in entire software development life cycle.
- Investigate and resolve application issues as needed.
- Collaborate with team to design, develop, test and refine deliverables.

Environment: Android SDK, Eclipse IDE, Android APIs, Google APIs, JNI, J2ME, JDK, Xamarin, REST Web service, JSON, JUNIT 3, ORMLite, SQLite GPS service, Log cat, Async, GIT, SVN

### Android Developer

NBC - Times Square, NY - June 2014 to June 2015

NBC Sports is the programming division of the American broadcast network NBC, owned by the NBCUniversal Television Group division of NBCUniversal, that is responsible for sports broadcasts on the network, and its dedicated national sports cable channels.

Applink: <https://play.google.com/store/apps/details?id=air.com.nbcuni.com.nbcsports.liveextra&hl=en>

#### Responsibilities:

- Applied Android Studio and SDK to develop the app.
- Developed module to write to external storage
- Develop activities to access fine (e.g., GPS) location
- Develop activity to access coarse (e.g., Cell-ID, Wi-Fi) location
- Broadcast an Intent to set an alarm for the user
- Enhanced the module that communicates with the Java Web Service to make the application
- Used the SQL Cipher library to increase the company and users data security
- Employed AsyncTask to invoke web services in background operations.
- Implemented SQLite and SharedPreferences for data persistence/retrieval.
- Optimized UI performance by reducing layout overdraws and flattening view hierarchies.
- Tested app on multiple phone devices and fine-tuned UI to ensure consistent user experience across varying screen resolutions.
- Built custom buttons, dialogs, DatePicker, and widgets to correspond with app theme.
- Developed and implemented many PhoneGap and Titanium applications along with Java plugins for Android platform.
- Sizeable amount of work done on memory management, push notifications, multiple screen support, data offline usage, content providers and sync on Android.
- Work with network socket and access information about networks.
- Develop PowerManager, WakeLocks to keep processor from sleeping or screen from dimming
- Developed part of the application to receive messages via Google Cloud Messaging
- Enable access to the list of accounts in the Accounts Service
- Worked on developing Activity Life Cycle as well as Fragment life Cycle.
- Used fragments to build small re-usable pieces that are easier to manage and allow for a more fluid visual design and also can adapt to tablet and phone resolutions.
- Integrated and debugged Geo-fencing feature to provide list of frequent users.
- Took part in software development life cycle's phases to support NBC Sports Live App.
- Implemented Google Analytics in the app to experience real time feedbacks from users.
- Worked on linear, frame and relative layouts
- Worked on toast, Dialog notifications
- Designed elements like Floating Action Bar, Tab-Layouts, Adapters, Listview, Tab widget, AutoText, and Spinners.
- Developed UI components for email and link sharing of documents and files for a Content Management System.
- Used services and broadcast receivers to enhance the app activities concurrency.
- Worked closely with the QA, backend, and API Team to maintain a bug/crash free app environment.

Environment: Android SDK, Bitbucket, AGILE Software methodology, Android API 21, Java, SAGE API, XML, Google Analytics, ADT Plug-in, Gradle, Maven, Google Cloud Messaging API, Async Task, PhoneGap, Titanium.

#### **Android Developer**

Berkshire Hathaway Home Service - Chevy Chase, MD - July 2013 to May 2014

Berkshire Hathaway HomeServices gives you access to homes for sale, rent and MLS listings throughout the United States. Use Berkshire Hathaway HomeServices Home Search anytime to find available homes using GPS search, or find homes based on address, city or zip code. You can also text and email homes to your family and friends.

AppLink: <https://play.google.com/store/apps/details?id=com.smarteragent.android.bhh>

**Responsibilities:**

- Daily Scrum meetings to organize the deliverables, discuss issues & tasks completed Extensive usage of ListViews for showing large content, improving in this way the memory consumption of the application and android UX
- Coordinate meetings with the UI and UX team to design the user interface by giving feedback about - Android guidelines for developing user interfaces
- Participated in constructing the specification documents including Unified Modeling Language diagrams: Use Cases, System Features, Data Flow Diagram, Class Diagram, Functional and Non-Functional Requirements, State Transition Models
- Handled connection status to avoid crashes and indicates to the user when he needs to be connected to the Internet
- Created Alert Dialogs for help and about - Implemented SOAP web service request using KSOAP
- Included Preference Fragment to change the preferences as which lanes the user wants to see
- Managed version control using Git
- Integrated AdMob framework for Android to show banners to the users
- Parsed XML data and converted to Java objects for handling using XMLParser
- Tracked the debugging process using Android Studio DDMS
- Develop complete test suites for testing the application using JUnit3
- Usage of Jira for bug tracking & project planning. Implemented Google Cloud Messaging Client into the app
- Collaborated with web services team to implement the backend support, HTML5, Oracle
- Tested the app across various versions of Android and different android Mobile devices to assure quality and performance.
- Developed the code in objected oriented manner for better code reuse and created the client codes
- Tested the application on different Android phones, tablets, debugged on real device, and debugged the issues that were found.

Environment: Android SDK, Android API 19, Eclipse IDE, Google Maps, AML and SQL Databases, JUnit, GPS Services.

## **Android Developer**

CVS Care Mark - Grove, IL - June 2012 to July 2013

CVS Health is an American retailer and health care company. CVS Health operates over 7,800 CVS Pharmacy, Longs Drugs and Navarro Discount Pharmacies stores; a pharmacy benefit manager, mail order and specialty pharmacies, a retail-based health clinic subsidiary.

AppLink: <https://play.google.com/store/apps/details?id=com.caremark.caremark&hl=en>

**Responsibilities:**

Documented and demonstrated solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code.

- Acted as direct interface with client and participate in overall development activities including requirements elaboration, design and coding.

- Implemented RESTful Web Services to verify login credentials of the user.
- Collaborated with team to architect back-end services and databases to support app.
- Efficiently used Activity, Intents, Fragments, Services, Broadcast receivers, notifications and content-providers for building the app.
- Designed and developed the user interfaces, Designed Dynamic UI with Fragments using Google Material design.
- Designed Custom buttons, Custom listviews, gridview and Menus.
- Designed and implemented database contract, database helper and provider classes to work with content providers.
- Used services, Async tasks and Alert Notification API to implement event reminder feature into the mobile app.
- Utilized the Picasso library for image downloading, caching and rendering to UI.
- Integrated location based services using Google Maps API to display locations of the nearest stores.
- Consumed RESTful web services and parsed JSON responses to provide content data to the app using the JSON.org libraries.
- Tuned components for high performance and scalability using techniques such as caching, code optimization, and efficient memory management.
- Used Android content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications.
- Stored data in SQLite shared Preferences and created relevant preferences window for user.

Environment: Android 5.0, Google Play Services, Java/J2ee, Agile Development, Git, Picasso, Parse Library, Android Studio, Logcat, SQLite, Logcat, JSON.

## **Android Developer**

Audible - Boston, MA - April 2011 to May 2012

Audible Inc. is a seller and producer of spoken audio entertainment, information, and educational programming on the Internet. Audible sells digital audiobooks, radio and TV programs, and audio versions of magazines and newspapers. Through its production arm, Audible Studios, Audible has also become the world's largest producer of downloadable audiobooks.

AppLink: <https://play.google.com/store/apps/details?id=com.audible.application>

### **Responsibilities:**

- Extensively refactored the legacy code with a serious consideration of the design and data flow
- Moved the code base from a separate framework that functioned correctly but was difficult to maintain, to a new
- MVC architecture (Model - View - Controller) which was much more stable, extensible, efficient, and maintainable
- Worked on the Android4.4 KitKat version
- Removed Google services and replaced with Amazon services to run in Fire devices
- Optimized and upgraded the reading plugins from the previous Kindle reader, e-book, and audiobook apps
- Used Git for version control
- Interfaced Python 2.7.9
- Migrated Eclipse with Android Developer Tools 22.2.1 (ADT) to Android Studio 1.1
- Worked with SQLite3 on emulator devices for database testing purposes.
- Used Green Robot (event bus) to simplify communication between Activities and Fragments
- Included dependency injection design pattern by implementing Dagger
- Integrated Kindle Reader extensions 1.1 (KRX - the internal APIs to communicate with the Reader app)

- Amazon Tablet SDK 21 for FireOS 4.x (the Amazon custom OS that sits on-top of Android)
- Utilized Checkstyle to adhere to well established coding standards
- Enforced the design structure with Classycle

Environment:

Android SDK, Android API 19, Eclipse IDE, Java JDK 1.6.x, SQLite 3.6, Custom views, Compound views, Git, RESTful, JSON, Maven 3.0.x.

## **Android Developer**

ShopRite - Winooski, VT - October 2010 to March 2011

With ShopRite you can browse and purchase all your ShopRite grocery needs from your phone, and continue to use all the great tools to help you get things done at your ShopRite store; view weekly specials, create and edit your shopping list, clip coupons, view recipes, and everything you expect from ShopRite.

Applink: <https://play.google.com/store/apps/details?id=com.mywebgrocer.ShopRiteCircular&hl=en>

Responsibilities:

- Involved in full life cycle of the application including wireframe design, server development and client development
- Worked extensively with Eclipse, Java and Android SDK frameworks.
- Translate designs and wireframes into high quality code
- Design, build, and maintain high performance, reusable, and reliable Java code
- Ensure the best possible performance, quality, and responsiveness of the application
- Worked on developing various features such as value product of the day, browse products from store inventory and navigate to the nearest store.
- REST web service interaction utilizing OAuth authentication and JSON
- Used Android NDK, AndroidSDK, Eclipse IDE, Dalvik Debug Monitor Server, Android Virtual Device, and Android Debug Bridge for development and debugging tool
- Responsible for design of user interface using various custom layouts, buttons, dialog boxes, alert boxes and different form of widgets
- Inserted suitable code to capture the various button and text field events and implemented the desired action for each of the widgets.
- Worked on UI design and Backend Development using SQLite.
- Collecting the crash logs using Logcat and fixing them.
- Used fragments and activities
- Involved in analysis, specification, design, and implementation phases of Software Development Life Cycle (SDLC)
- Followed the Agile methodology to develop the project

Environment: Android SDK 3.1, Java SDK 1.6, SQLite 3.0, Eclipse IDE, ADT Plugin, SVN, GIT, REST, Google Maps API.

## **Java Developer**

Pro-Soft Technology Group Inc - Hyderabad, Andhra Pradesh - June 2008 to September 2010

ProSoft Group Inc. is a leading edge, global IT service provider. ProSoft uses customer-centric, value-driven project management and solution-delivery methodologies to deliver Fixed-Price, Fixed-Time solutions.

Responsibilities:

- Client-side Java application development and server-side Java API development.

- Created Servlets and Java Server Pages (JSPs) to facilitate user management.
- Designed and Developed xml schema to represent the data model objects in an xml.
- Developed Parsers using SAX and DOM, implemented System oriented Architecture methodologies.
- Development & enhancement of Business Components for order processing application.
- Developed Servlets and Java classes to communicate with the Database using JDBC.
- Managed connectivity using JDBC for querying/inserting & data management including triggers and stored procedures.
- Retrieved dynamic content data for all content pages.
- Tested application with unit testing, manual testing and writing test classes.
- Created database including tables, views, functions, constraints etc.
- Used Tomcat as App server and Oracle as the database to develop and deploy the application.
- Integrated application by designing database architecture and server scripting; studying and establishing connectivity with network systems, search engines, and information servers.
- Design and develop user interfaces to internet/intranet applications by setting expectations and feature priorities throughout development life cycle.
- Coordinate with project manager to prepare timeframe for all projects and design specifications for all programs.
- Used agile methodology (used Scrum) for development and was present in daily stand up meetings and weekly team meeting. Also attended bi-weekly planning meetings.
- Effectively participated in communication with Business Analysts and architects.

#### Environment:

J2EE Design Patterns, Servlets, JSF, JDBC, JUnit, JavaScript, HTML, CSS, SQL, J2EE, JSP and Rational Application Developer 7.0, Oracle Application Server.

#### EDUCATION

##### **Bachelor of Technology in Information Technology**

JNTU - Hyderabad, Andhra Pradesh

#### LINKS

<https://play.google.com/store/apps/details?id=com.adpmobile.android&hl=en>

#### ADDITIONAL INFORMATION

##### TECHNICAL SKILLS:

Programming/Scripting Languages: C, C++, Java, J2EE, JDBC, HTML 5.0, XML 1.0, XSL, XSLT 2.0, JavaScript 1.8.5, JSP 2.3, Java Servlets, C#.net, Python, PHP

Web Services: SOAP, REST, JSON, XML

Operating Systems: Windows, Linux, UNIX, Mac OSX, Android

Office Tools: Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Outlook

Database technologies: MySQL, PL/SQL, Oracle 10g, SQLite

IDE's Used: NetBeans, Android Eclipse IDE (with ADT), Eclipse and their Debuggers, Android Studio, IntelliJ

Tools: Jenkins, ANT, ADT, Maven, IBM Rational Rose

Version Control Tools: CVS, Git, SVN, Bit Bucket

Web/Application Servers: Web logics 6.0, Tomcat 6.0 & Apache HTTP Server

Frameworks: AJAX, Hibernate [...] Junit, STRUTS

Methodologies: Agile/ SCRUM, Waterfall