**Pavani Davuluri**

**Summary:**

* Senior Android Professional with **7+ years of experience in Java and Android Application Development.**
* Excellent programming skills and hands on experience in Android Application Development using **SDK** and **ADT** tools.
* Experience in developing Android Applications using **Core Java** and **Android APIs** (**Data Storage, Content Providers, Google Maps, Connectivity, Location and Notifications**).
* Strong experience in using Android SDK tools like **Hierarchy Viewer, TraceView, Draw 9-patch, AVD Manager**, Android shell tools like **Logcat** and Android Platform tools like **ADB, Gradle, ADT** up to Android 4.3 (API Level 19).
* Experience in working with Java API’s for web services (**SOAP, REST, JAX**)
* Experience in working with Web services (**AWS, Google Appengine**).
* Experience in building an Android persistence framework for serialization (**JSON**) and database access that is technology-agnostic (**SQLite**, MySQL, etc)
* Expertise in coding business components using various API’s of java like **Multithreading, Collections, Sockets, Networking, JDBC**.
* Experience in client side Technologies such as **HTML, CSS**, **JavaScript and JQuery**.
* Extensive knowledge and working experience with in developing web applications using **JAVA**, **JavaScript**, **JDBC**, **JSP**, **XML**, **AJAX** and **Eclipse** IDE.
* Proficiency in database development and implementation using **MySQL**. Experience in writing queries with **Oracle**, **PL/SQL**.
* Experienced professional in various frameworks including **Struts**, **Hibernate**, **Junit** and **spring**.
* Strong focus and practice of design patterns such as **Singleton, Factory and Observable**.
* Solid Background in algorithms, data structures and object oriented principles and good knowledge of SDLC models and worked on **Waterfall, Agile and Scrum** Environments.
* Coordination with BA, Product and QA teams for Application deployment.
* Debugging, bug-fixing, code review and clean-up.
* Experience in Git and SVN repositories for managing the version control of modules.

**TECHNICAL SKILLS:**

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| Android App Dev Tools | Android SDK2.3-6.0, Gradle, Adb, Hierarchy Viewer, MAT, LogCat, AVD Manager, PNG to 9 Patch, Built in Developer Options on device (OverDraw, Profiling e.t.c.,) |
| IDE | Android Studio, Eclipse ADT, Eclipse for J2EE, NetBeans, Pycharm, Anaconda |
| Web Service Integration Technologies | SOAP, REST |
| Databases | MYSQL, Oracle, SQLite |
| Parsing Frameworks | JSON Using GSON/JACKSON  XML (DOM/SAX/PULL Parser)  SOAP (KSOAP Library) |
| Java Technologies | J2SE, J2EE – JDK 1.6/1.7/1.8 |
| J2EE Technologies | JDBC, JSP, Servlets, EJB, Struts 2.0, Springs, Hibernate |
| Web Technologies | HTML, XML, CSS |
| Languages | C, C++, Java, Java Script, Python, PHP |
| Design Patterns | Singleton, Builder, DAO, Adapter, Factory, Observable |
| Version Control System | Git, SVN |
| Other Tools/Frameworks | APK Tool, JD GUI, JIRA, Junit, Informatica, Business Objects, Toad, ALM, QC |
| Operating Systems | Android, Windows, Mac, Linux (Ubuntu), Unix |
| Web Services | Amazon Web Services, Google App Engine, Azure |

**Work Experience:**

**SEARS HOLDING Corp ,Chicago, IL Sep 2014 – Till Date**

**Sr. Android Developer**

The application was designed to provide the latest mergers and acquisition deals to the customers, allowing them to place, track and manage their orders it also shows the forecasts of any deals coming forward, they can subscribe or unsubscribe to any of the deals, email notifications will be sent to the subscribed customers.

**Responsibilities:**

* Worked in an **Agile** environment to build **Sears** and **Kmart** android mobile applications.
* Customization of different widgets that includes buttons, spinners (Customizing a **Button**,**Spinner**)
* Consumed web services and Implemented **HttpCommunication** using **JSON** Data. (HTTPClient, HTTPResponse, Async Task)
* Used Intent Integrator for using the QR codes and **CameraAPI** for accessing the camera to use the **QRcode**.
* Experience interacting with **WebServices** (**REST, XML, SOAP, JSON**) and implementing data serialization/deserialization.
* **Agile** practices were carried out with **VersionOnce**.
* Used **Slack** as main office communicator.
* Developed prototype app for showing the latest the mergers and acquisition deals.
* Involved and designed all phases of software development life cycle (SDLC).
* Worked on the backend design for the **REST** calls for the mobile application.
* Implemented views with **scrollable list views, Navigation Drawers and Action bars**.
* Utilized tools such as Gradle to streamline build automation and testing.
* Implementation of Android **Broadcast Receiver** and Services to start and trigger application activities without User knowledge or intervention especially for pages with images and videos.
* Implemented **Factory** Design Pattern.
* Major work involved using **Web services**, reading data from the website and Implemented Http Communication using **KSOAP** Data.
* Written gradlescipts to remove **logs** programatically using **Pro-Guard**.
* Research on **SQL Injection prevention** on mobile and published prescription document.
* Unit Testing and code coverage for robustness, wrote many test cases to achieve 100 percent coverage. Familiar with **Espresso**, **JUnitRunner**, **UIAutomator**, **Appium**.

**Environment/Tools:** Windows, IntelliJ platform, Java, Android SDK, ADT 21.1.0, Notification, Shared Preferences, Fragments, JSON, REST API (XML), JUnit, XML, Multi-threading, DB2, ANT.

**URL:** [**https://play.google.com/store/apps/details?id=com.sears.android**](https://play.google.com/store/apps/details?id=com.sears.android)

**The Home Depot, Atlanta, Georgia Jan 2013– Aug 2014**

**Android Application Developer**

The Home Depot is an American retailer of home improvement and construction products and services and the largest home improvement retailer in the United States. This application is designed to enable user shop through millions of products, tools and equipment for home and keep track of their orders. This app helps save time by providing multiple options such as product sharing, store locator, product locator and rental services.

**Responsibilities:**

* Developed UI for most of the modules in the application using **ListView, ScrollView,**Tab Navigation, Expandable Button, Custom EditText and Selection widget.
* Involved in Application layer functional analysis and design.
* Worked on **OkHttp** (square networking api) and **picasso**.
* Built framework on various validations that can be consumed by different teams across HomeDepot.
* Part of security performance engineering team, worked with other technologies –**OOP**, **JavaScript** and **PHP** and was involved in peer reviews.
* Implemented **DialogFragment** to enable the product sharing with their friends and family.
* Worked on developing interface for android native and hybrid implementation.
* Worked on implementing web services and Http communication using **JSON** Data.
* Experience on working on Different **thirdpartyAPI’s (volley, Picasso & ORM Lite)**.
* Developed back-end using **REST API** web services for credit card and over draft payments.
* Used to **Google maps** to provide faster navigation to store and provision of information about store location.
* Implemented local data storage using **SQLite.**
* Implemented **Fragmentation** for levels of variation range from differences in device hardware such as display resolution and size.
* Worked on local data storage using SQLite.
* Used Android**JUnit** extension to prepare test cases.
* Implemented User Interface for supporting multiple devices
* Implemented**MVC** and**Singleton design pattern**.
* Understanding of other mobile platforms (**iOS**, **Hybrid**etc)
* Implemented **Serializable** and **Parcelable** objects to send across activities.
* Used **AsyncTask** handlers for background processing like downloading resources.
* Improved the application performance by detecting memory leaks using **DDMS**.
* Built the project using **ANT**.
* Implemented **Dialog Fragment** to share the product through Facebook, Twitter and the email in the app.
* Used **search widgets** to find the product present in the collection or in the recent search.
* Implemented a Catalogue driven search to locate the items in the store.

**Environment/Tools:** Windows, Android 2.0, 3.0, 4.0 versions, Java, Android SDK, ADT 21.1.0, Notification, Shared Preferences, Fragments, JSON, REST API (XML), Eclipse 3.6, MAVEN, XML, Multi-threading, SQLite3, ANT.

URL: <https://play.google.com/store/apps/details?id=com.thehomedepot>

**STAPLES, Framingham, MA Oct 2011 -Jan 2013**

**Android Developer**

**Staples, Inc.** is a large United States office supply chain store, with over 2,000 stores worldwide in 26 countries. Headquartered in Framingham, Massachusetts, the company has retail stores serving customers worldwide. The Company mainly sells supplies which include staples, office machines, promotional products, furniture, technology, and business services both in stores and online.

**Responsibilities:**

* Integrated **searchwidgets** to perform search through their collections, load recent search and supports **voicebasedsearch**.
* Hand-on experience on **Amazon’swebServices**, **Google’s App Engine**, and **Microsoft Azure.**
* Implementation of **Map-Reduce** algorithm into the system configuring for around **30 nodes** for faster search results.
* Good knowledge different data **caching** strategies and limitations on Android.
* Implemented login functionality using **Sterling services**.
* Implementing store location by using **Google Maps API** v2.
* Implemented bar code reading by using **Camera API.**
* Improved the application performance by detecting memory leaks using **DDMS**. Developed generic libraries for downloading images and other resource using **AsyncTask**handlers.
* Experience with integrating with third **partyAPIs** including social networks
* Implemented **DialogFragment** to share the product with their friends and family.
* Implemented **Singleton design pattern** to pass through the object into different fragments.
* Used **Eclipse** and **Android Studio** for developing, debugging, coding and deployment of the applications.
* Implemented **xml pull parser** techniques.
* Coded for loading the **Bitmap images** in L**istview** and fixed the **heap size** issue.
* Experience on Transmitting Network Data Using **Volley**.

**Environment/Tools:** Windows XP, MAC, Android 2.0, 3.0, 4.0 versions, Java, Android SDK, ADT 21.1.0, Shared Preferences, Fragments, JSON, REST API (XML), JavaScript, CSS, Android Studio, Eclipse 3.6, ANT, XML, Multi-threading, VMWare, PhotoShop, Git/GitHub. Amazon web services.

URL: <https://play.google.com/store/apps/details?id=app.staples&hl=en>

**AXA life, India Nov 2009 - Aug2011**

**Java Developer**

**AXA** is a French multinational insurance firm headquartered in the Paris that engages in global insurance, investment management, and other financial services. Its insurance subsidiaries are major providers of medical, dental, disability, life and accident insurance and related products and services. The main purpose of the project is to enable users of various levels to access and process the claims and maintain the log of work flow through a tool called Claim Book of Records (CBoR) following the business rules and International Code of Diagnostics (ICD) rules at different levels of business process.

**Responsibilities:**

* Involved in designing of front end user interface (**GUI**) with **HTML**, **DHTML**, **JavaScript** and **JQuery**
* Created Use Case diagrams for few modules using **UML** technology.
* Actively involved in developing server side programming with **Servlets** and **JSP**.
* Worked on **Custom Tags** to customize attributes and to use them in JSP pages.
* Worked on **JMS** along with **Message Driven Beans** as a part of the project
* Developed Java Utility classes to phrase XML files using **DOM** and **SAX** parsers and automatic population of Java Beans.
* Through **JDBC API** the data was populated from and updated to backend database (**Oracle 10g**).
* Involved in Development of Action classes, Action forms and configuration of the **Struts-Config** file.
* Business logic processing and Database interactions were done through **Entity Beans** creation.
* **Session beans** were created to maintain the state of the user at server side throughout the session.
* Involved in the development of **Stored Procedures** and **SQL** queries to interact with **Oracle** backend.
* In the process of developing **JAX-WS** Web Services using **SOAP, WSDL** to communicate to billing systems, Castor project is used to generate java classes from agreed XML and vice versa.
* **Rational Clear Case** was used for version control.
* Involved in the development of **MVC** and **Factory** patterns
* Configuration and deployment of application on **Tomcat.**
* Performed file operations through **UNIX**

**Environment:** Tomcat, Struts 1.2, IBM Web Sphere Studio Application Developer 7.5(WSAD), EJB 3.0, Servlets 2.3, JSP 1.2, Java Swing, JNDI, XML, PL/SQL, HTML, Java Script, JDBC, Oracle, ANT, Clear case, UNIX.

**Serco Global Services, India Aug 2008 - Nov 2009**

**Java Developer**

The main purpose of the project is to serve as the system of record for business process definitions direct and route the flow of work between user providers and interface for users to interact with the workflow and enforce business rules at each stage of the business process. Report on status of work and metrics about work completion. Manage flow of documentation and artifacts in the business process.

**Responsibilities:**

* Handled assignments in **developing UI pages** using **JSP**, **HTML**, **DHTML**, **CSS, JQuery** and **JavaScript** technologies for modules in BDMS.
* Involved in understanding business requirements and functionality of Cost Management Reporting.
* Involved in drawing the **UML** diagrams such as **Use Case Diagrams**, **Class Diagrams** and **Sequence Diagrams** using **Rational Rose** and **Visual Paradigm.**
* Application developed in **MVC** architecture using **JSP**, **Ajax**, **HTML**, **JavaScript**, **CSS,JMS** and **Hibernates**.
* Involved in implementing **Value Object Pattern**, **MVC**&**Factory Pattern**.
* Updated the required data in the **DB2** database to save and update the database using **hibernate**, corresponding to actions performed in the struts class.
* Worked on **Struts** tag library extensively (**html, logic**).
* Developed java classes for posting and processing mails using **EJB** and **Java Mail API**.
* Deployment of the application in the **Weblogic** Application server.
* Integrated Struts frame work with **ORM** implementation, **Hibernate** for data accessing.
* Involved in the development of **Stored Procedures, Triggers** and **Functions** for database communication
* Wrote Test cases using **JUnit** for unit testing.
* Setting up, building the environment and deployed project by writing **Ant** build.xml.
* Implemented **Multithreading** as a part of the project.

**Environment**: Java1.4, Struts 1.2, EJB, JSTL, JSP, Facelets, Ajax, Hibernate, EJB, JSF, JMS, MQ Series, Weblogic, RAD, DB2 8.1, TOAD, CVS.

**EDUCATION:** Bachelor’s in Computer Science and Engineering from Acharya Nagarjuna University.