**Swamy P** [swamyp.android@outlook.com](mailto:swamyp.android@outlook.com)

**Sr. Android Developer**  **+1(678) 257-2385**

**PROFESSIONAL SUMMARY**:

* Over 8 years of Software Design and Development Experience and over 5 years in **Android based applications** with equivalent knowledge in Java development.
* Experience in applying System Development Life Cycle (**SDLC**) and Object-oriented analysis and design (**OOAD**) for applications and understanding of business rules.
* Expertise in developing Applications using **Android Studio** and Eclipse IDE and worked on ADT plug-ins of Android like SQLite.
* Expertise in integrating API with SDK of versions from 2.1 to latest Lollipop 5.1
* Proficient in App UI design for both Android Widget (using Remote Views) and the app itself using the **Material Design** which includes **RecyclerView**, **GridView**, **NavigationDrawer**, **Scroll** **Tab**, **Swipe Tab**, **Fragment**, **Dialog Box**, **Animations**, **Vector Drawables**, **and ListView etc.**
* Proficient with common **Android framework** APIs (Location, Camera, Notifications, Maps)
* Experience managing apps and **Memory Management** using Paging and Hash mapping.
* Extensive work on **BTLE** for low energy consumption on BLE devices.
* Worked with UX Designers, Architects & Developers to build enterprise mobile solutions.
* Good understanding of **SOAP**, **Web Services**, **XML** Parsing and **JSON**.
* Experience in Web Technologies like **HTML5**, **CSS**, **AngularJS**, **JQuery**, **J2EE**
* Highly proficient in dealing with Threads and Multi-threading concepts such as Synchronization.
* Proficient in **Bootstrapping** with XML based applications.
* Experience in **playing & recording live stream or Video on demand media content using Media player, Media recorder, Video views and Surface Views.**
* Knowledge on **AIDL** and **Binders** Framework.
* Expertise in shaping the project structure using **UML diagrams** with help of Rational Rose
* Expert in building Client/Server computing with basic **TCP** and **UDP** Socket Programming, web-based n-tier architecture, Database design and development of applications using **J2EE Design Patterns** like Singleton, Session Facade, Factory Pattern and Business Delegate.
* Worked on with **Android API’s** (SMS, Content Provider, Google Maps, API SQLite, and WebView).
* Experience with **GIT**, **JIRA**, Sonar, **Gradle**, **Maven**, **Jenkins** tools
* Had working knowledge on messaging related technologies like GCM, SMS, MMS, XMPP, SMTP Skilled in working on Database Schemas with **MySQL**, Oracle 11g and Microsoft Access
* Working knowledge on Database arranging software like **Informatica**, **DataStage**
* Experience on Mobile Packager for zipping and holding packages to folder eg: .exe file
* Experience in writing and executing unit test cases using **JUnit** Testing Framework and debugging.
* Knowledge on various deployment processes like **Continuous Integration**, Delivery.
* Experience in using **GIT** as control of source for most android applications.
* Experience in working with **MVC** frameworks like **PhoneGap** using **HTML**, **CSS** as front-end.
* Worked closely with Business Analysts and QA team members to understand requirements, design, and ensure system meets business and technical objectives.
* Experience working in on-off shore models.
* Experience in working automated tests and writing into manual

**TECHNICAL SKILLS:**

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| **Markup Languages** | HTML5, XML, CSS3, XHTML. |
| **Servers** | Web Logic, Apache Tomcat, JBoss. |
| Programming Languages | Java, Swift, C, C++, PHP, Python |
| **Debugging Tools** | Log cat, DDMS, J Unit. |
| **Software Development Methodologies** | Waterfall Methodology, Agile Methodology, Scrum |
| **Frameworks & IDE Tools** | Android Studio, Eclipse ADT, Android SDK, Volley, GSON, Gradle, Logcat, JUnit, Log4J, Eclipse, Jenkins, TOAD/Oracle SQL Developer/Beaver, PhoneGap(Cordova),Cocoa/Cocoa Touch, UIKit, MapKit, NetBeans, IntelliJ IDEA. |
| **Android Technologies** | Android , Android NDK, Java, JNI, C, J2EE (JSP , Servlets, EJB, ANT), Struts, JavaBeans, JSF, Web Services, Spring, Hibernate, JMS, JDBC, JavaScript, SOAP, JUnit |
| **Web-Development Technologies** | JSP, XML, XSD, XSLT, DTD, DOM, JSON, JSD, HTML, Java Script, JQuery, CSS, DHTML. |
| **RDBMS** | Oracle, MySQL, MS-SQL Server, DB. |

**PROFESSIONAL EXPERIENCE:**

**AGCO Corporation - Duluth, GA Feb 2017 – Present**

**Senior Android Developer**

**Description:** AGCO Corp. is global leader in design, manufacture and distribution of agricultureequipment. It offers responsive service and empowers people to make decisions about agriculture machinery. We are a team of people who believe in being an example in the community. **AGCO Parts** Books To Goapplication provide interactive parts catalogs which presents exploded view drawingsand also enables you to create a parts list that you can easily e-mail or submit to AGCO or GSI Authorized Dealer/ Distributor.

**Google Play Store Link:** [**https://play.google.com/store/apps/details?id=com.agcocorp.BooksToGo&hl=en**](https://play.google.com/store/apps/details?id=com.agcocorp.BooksToGo&hl=en)

**Responsibilities:**

* Involved in complete Software Development Life Cycle (**SDLC**) for proper analysis, development, testing, deployment and enhancement of the code.
* Developed App screens and its workflow using **Activity and Fragments** associated with **view groups**, using views such as **Recycler Views** and **Scroll Views**.
* Designed and developed **User Interface** with all **Material design** guidelines and patterns provided by Google Android.
* Used **Services**, and **Alert Notification API** to implement event reminder feature into the mobile app.
* Designed & developed UI Screens with **HTML5**, **CSS3**, **JavaScript**, **Angular** to provide interactive screens to display data.
* Experience working on **Cloud interface, Bluetooth, sensors, and REST web services**.
* Constructing **Http requests, fetching server response and parsing feeds** wherever required.
* Used **Retrofit** to make a parent Callback Interface to automatically handle the error function, and caching to API.
* Consumed RESTful JSON services using **RxAndroid/RxJava** and Retrofit 2.0 in a MVP design approach.
* Integrated **Google Cloud Messaging (GMS)** for sending notifications to registered users about new exciting offers, deals and discounts coupons.
* Involved in development and enhancements of features to secure the usage based on Authorization and Authentication tokens.
* Utilized **SQLite** scripts for data retrieving, querying, storage and manipulation by creating statements, views, stored procedures for inserting/updating/deleting the data into the relational tables
* Responsible for refactoring existing code and redesigning structures to improve performance of the entire app.
* Used **Agile** methodology to design, develop and deploy the new changes.
* Used **GitHub** for code repository and maintaining current and historical versions of the source code.
* Implemented **TDD** testing mechanism and build Unit test cases using **JUNIT**.

**Environment:** Android Studio 2.3, Gradle, Retrofit, Dagger, Slack, JIRA, Confluence, Bamboo, Restful API Web Service, Zxing, Git, GitHub, Java UI, Agile SCRUM, JUnit Suit

**William O Neil & Co. Inc. – Los Angeles, CA Aug 2015 – Dec 2016**

**Senior Android Developer**

**Description:** The investing app is built on a method with a 50-year history of portfolio outperformance. Its robust design delivers quantitative and qualitative information to guide you in finding strong equities, evaluating them, and timing buys and sells in the stock market. Our team summarized data essentials for decision-making.

**Responsibilities:**

* Knowledge and exposure to full Software Development Life Cycle including **Design, Data** **modeling, Software Implementation, and Documentation.**
* A key resource for layout and UI work utilizing **XML**, **drawable**, **recycler views**, **activities,** **fragments**, **custom views** and **Linear, Relative and Table** Layout.
* Implemented various modules of the application and redesigned following **Material design** guidelines.
* Used **web views, view holders** & populated lists to display the lists from database using simple **adapters**.
* Utilized web-services (**HTTP based, XML, SOAP, JSON or other services),** in order to tie our applications to critical server-side APIs.
* Implemented the payment gateway operation in the application for leads exchange and purchase transaction using **Spring-Java Plug-in.**
* Implemented Android obfuscation using **ProGuard**.
* Worked as a team to support the app for different Android API levels, like location, memory management and Wi-Fi.
* JSON parsing was implemented using **GSON** parser to parse the data and access the services.
* Involved in unit testing with eclipse debugger and USB debugging as well as in post-production support and change request process to fix the bugs.
* Implemented login authentication in **oauth2** using **Spring Security integration.**
* Involved in creating the explicit synchronization for fence such as display controller and **GPU** to buffer and allow this information to be communicated with function parameters and passes from Kernel-space to user-space
* Worked on **Test Driven Development (TDD)** and **iteration based planning** process for the client resulting in fast feature turnaround and customer responsiveness.
* Performed **Espresso** tests that runs optimally fast by helping us to leave our waits, syncs, sleeps, and polls behind while it manipulates and asserts on the application UI.
* Performed **Unit testing** on the various modules/functions to ensure that the output is as expected.
* Use **GitHub** repository for version control and **Agile** Development process.

**Environment:** Android Studio SDK, BLE, Eclipse IDE, REST API, Maven, Android API 16-23, XML, JSON, Intellij, Java UI, SCRUM, Third party API's.

**Avis Car Rental – Atlanta, GA** **Aug 2014 – Jun 2015**

**Android Developer**

**Description:** Worked on the development and integration of many aspects of the Avis Car Rentalapplication. This includes implementing new a design; geo-locating abilities to find the nearest car rental location, and ensuring the software structure of car reservation abilities were up to par.

**Google Play Store Link:** <https://play.google.com/store/apps/details?id=com.avis.androidapp&hl=en>

**Responsibilities:**

* Designed and developed Car Rental application for Android mobile devices with extensive **User Interface** development.
* Involved in Developing the Trips Module for users by using multiple **Activities, Services,** **Content Providers** and **Broadcast Receivers.**
* Designed custom layouts with **Bootstrapping** and **HTML5**.
* Designed complex User Interface screens using **views** and **widgets**.
* Used **PhoneGap/Cordova** as platform to develop application layouts and widgets.
* Designed and developed the user interfaces, Designed Dynamic UI with **Fragments** using **Google Material design**
* Implemented concurrency using **AsyncTask**, **Loader**, **Handler**, **Thread pools**, locks and conditions.
* Designed and implemented the user interface using **servlets**, **JavaScript**, java beans, struts and EJBS.
* Utilized web-services (**HTTP** based, **XML, SOAP, JSON** or other services), in order to tie our applications to critical **server-side APIs**.
* Application UI developed by **Ext JS** as primary source.
* Implemented a **GUI** for Account login, Rental car details and transferring money securely.
* Worked on Emulator and Device tracking with enabling **ADB** and debugging methods
* Responsible for testing the application on various android devices and debugging the issues using **DDMS** and **Logcat**.
* Implemented finding local Avis locations by using **Google Maps API**.
* Created a module based on an **Event-driven library (Event Bus)** to communicate multiple components in the app efficiently.
* Used a **Jenkins** instance for continuous integration to ensure quality methods.
* Used **Google Cloud Messaging** (GCM) to implement the push notifications.
* Utilized **SQLite** database to store user's preferences and previous car rental history.
* Worked in an **Agile/SCRUM** environment to design and deploy new changes for the application.

**Environment:** Android SDK, SQLite, Android studio IDE, Android API's, ADT plug-in, Location Manager, XML, JSON, REST service.

**Staples – Framingham, MA Jul 2013 – Jul 2014**

**Mobile Application Developer**

**Description:** This project involves analysis, design and development of ticketing system formanufacturing industry. The cost of downtime is staggering in any company. Different companies calculate or toss different figures. We worked to bring down the downtime by channelizing the communication electronically.

**Google Play Store Link:** [**https://play.google.com/store/apps/details?id=app.staples**](https://play.google.com/store/apps/details?id=app.staples)

**Responsibilities:**

* Worked in different phases of **Software Development life cycle**. Expanding the existing **Analysis**, **design**, **development** of new features, **testing** and **deployment.**
* Designed UI screens using **JSP, CSS, Struts Framework, Flash, JavaScript and HTML**.
* Implemented **DOM API,** and **Ajax** to create a dynamic and interactive experience.
* Design screens using **MVC** pattern for the application with Android Studio IDE.
* Integrated the **Google Map** using Google location based API.
* Worked on **object-oriented design**, **data structures**, **problem solving**, **complexity analysis**, and **debugging.**
* Involved in writing logic’s and business logics for the application.
* Extensively used **Core Java** such as **Exceptions**, and **Collections**.
* Implemented **RESTful API** in C# to connect the Wellness app to the **MS SQL Server** database.
* Implemented **SQLite databases** and **shared preferences** for data management.
* Involved in testing using **JUnit** and fixing defects assigned on **JIRA**, resolved many challenging tasks while migrating by taking care of the sessions and creating Stubs as per new environment.
* Implement a **Broadcast receiver** framework, register receiver to receive Screen ON/OFF broadcast event from the Android system and also experienced working on **Bluetooth** **connectivity**.
* Experience using version control software such as **SVN**, **GIT Hub** for effective code maintenance, tracking, logging and deployment.

**Environment:** Android SDK, Java, Eclipse andADT Plug-in, JSON, Bluetooth, Linux Kernel JSON, SQLite, HTML, CSS, JavaScript.

**Gail Technologies – Hyderabad, India Aug 2010 - May 2013**

**Java Developer**

**Description:** The project is a high-speed, multi-threaded website, which can handle multiple serverrequests and can quickly allow users to download graphics, images and other user definable files. After downloading, all links with in the website are reconstructed creating a complete hard drive copy of the website that user can view at their own pace without being connected to the Internet. Additionally, project should duplicate the original directory structure of a site making it easy to read.

**Responsibilities:**

* Involved in designing the application. Prepared UML Sequence Diagrams, Class Diagrams, and Activity Diagrams to incorporate in the technical design document.
* Designed application using technologies like **HTML, CSS and JavaScript.**
* Developed Interactive **GUI** Screens using **HTML, JSPs** and performed Data validation using JavaScript
* Writing **PL/SQL** Queries to get schedule of policy payment and defaults.
* Developed the application using industry standard design patterns like, Service Locator, Singleton, Business Delegate, **MVC**, and Factory Pattern for re-usability.
* JDBC-ODBC bridge driver was used to connect to the database.
* Implemented Web services components **SOAP, WSDL, and UDDI** to interact with external systems.
* Used Hibernate, a technique of mapping data representation from business logic to database with SQL based schema.
* Secured the REST services using **Spring Security and OAUTH framework** and created documented **REST services using Swagger**.

**Environment:** Java 1.4, Web Logic 8.1, SVN, Eclipse, Hibernate 3.0, MySQL 5.0, Struts, JSP, JavaScript,CSS, XML, Visio.

**Education:**

Bachelor’s in engineering - Electronics and Communications Engineering