**Kalyan**

**Summary**:

* **7 years** of experience in IT with **5 years** on **Android** application development.
* Hands on experience in developing Android Applications for mobile and tablets using **Android Studio** and **Eclipse**.
* Good understanding in applying **Object-oriented analysis and design** (OOAD) and **System Development Life Cycle** (SDLC) for applications.
* Proficient in understanding of **Android User Interface** (UI) guidelines**, frameworkAPI's**, application development and memory management.
* Expertise in developing Android Enterprise applications for tablets and mobile devices.
* Have hands on experience in using the **ContentResolver** and **ContentProvider** classes to ensure secure data access to other applications.
* Working experience in **RESTful web services** to fetch data for the end user end and parsing the **XML** and **JSON** response using different parsers.
* Extensively worked on **push notifications, memory leaks, multiple screen support, content providers, data offline usage**, accounts and sync on Android.
* Skilled in developing and debugging Android applications with high usage of **threads** and **multi-threading** environments.
* Efficient in using android libraries like **Google GSON, OkHttp, Picasso, Proguard, Glide** and **Volley**.
* Experience in publishing apps to **Google Play Store**.
* Experience in design patterns including Composite, Singleton, Session Facade, Decorator and MVC. Skilled in software debugging and trouble-shooting.
* Adept in Web-Development technologies like **XML, HTML, Java Script, CSS** and **AngularJs**.
* Excelled in database skills in **Oracle 8i/9i/10g/11g, MySQL** and **DB2**. Expertise in programming with **SQL, PL/SQL**.
* Developed augmented reality app using **ADK** and **Qualcomm** Vuforia **SDK**. Application is developed for android platform to show case sears products in three dimension where customers can interact with the product.
* Good experience in developing and deploying web applications and web services in cloud, and experienced in using **Amazon Web Services** (AWS) and **Google App Engine**.
* Experience in developing test cases besides involving in **Integration testing, Unit testing** and User Acceptance testing extensively.
* Preparing reporting of data for numerous external reporting agencies including **UDS**
* Self-motivated, dedicated and very good team player with excellent communications skills including mentoring and presentation skills.

**Technical Skills:**

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| --- | --- |
| **Languages** | Java, C, C++, Python, JavaScript, Visual Basic, XML, PL/SQL, COBOL |
| **Mobile Technologies** | Android SDK, J2ME |
| **Web Technologies** | XML, HTML5, XHTML, JavaScript, CSS3, Ajax, J2EE |
| **Web Services** | REST, XML, JSON |
| **Third Party API’s** | OkHttp, Retrofit, Google Services, Volley, AsyncTask, Picasso, ButterKnife, Facebook, Places API, Instagram, GSON |
| **DATABASE(S)** | Oracle 11g/10g/9i/8i, Sybase and SQL Server 2005/2008, My SQL, MS-Access, DB2. |
| **IDE** | Eclipse, Android Studio, Net beans, Dreamweaver |
| **Source Control** | Sub-Version (SVN), Clear Case, CVS/PVS and VSS (Visual Source Safe), Git, GitHub. |
| **Operating System(s)** | Mac, WindowsNT/2000/2003/XP/7 And Linux (Ubuntu) |
| **Web-service Framework** | Apache Axis, SOAP, WSDL, REST, JAX-RS, JAX-WS |

**Professional Experience:**

**Pacific Gas & Electric Company, San Francisco, CA July 2014 – Till Date**

**Sr. Android Application Developer**

Pacific Gas and Electric Company is one of the major supplier of gas and electric utilities in California. PG&E is a pioneer in developing a clean-fuel fleet of utility cars and trucks, recognized as the leading utility fleet in 2010 by Automotive Fleet magazine. In our project we worked on updating the PG&E application.

**Responsibilities:**

* Formulated handset specific user interface (UI) for Android mobile phones, tablets and PC's.
* Worked with **Layouts, Menus** and **Action Bars** and also several other User Interface (UI) components.
* **Object Oriented Programming** (OOPS) Concepts and **Unified Modeling Language** (UML) were immensely used for modeling.
* Developed the UI for the application using edit boxes, **9-patch images**, date picker, time picker, dialog boxes, alert boxes and spinners using different layouts that are available.
* For making existing applications more user-friendly we researched on Android application acceptance and feedback from the application users.
* Made use of **Retrofit** library for downloading asynchronous data and convert those **JSON** or **XML** responses to **Plain Old Java Objects** (POJO).
* We accessed external databases for our application by using **JSON** for **web service** calls.
* Used Intent Integrator for using the **QR codes** and **Camera API** for accessing the camera to use the QR code.
* Instituted **SQLite** database as our backend database and also worked on the local data storage using shared preferences and file system.
* For ensuring best **UI** performances we used Asynchronous tasks for handling long term operations.
* Used **Android DDMS** debugger to debug and test the android application.
* Carefully handled all the Network latency issues, exceptions and error handling issues for the application.
* Got rid of out of memory exceptions with the help of **LeakCanary** library.
* Coordinate meetings with the **UI** and **UX** team to design the user interface by giving feedback about Android guidelines for developing user interfaces
* Collaborated with the team members for testing the application on different android target devices and also debugged the issues using Android provided tools like Trace view and view hierarchy from **DDMS** for optimization purposes.

**URL:** https://play.google.com/store/apps/details?id=com.tio.pge&hl=en

**Environment:** Android 3.0, 4.0, 5.0 versions, Java, Android SDK, ADT 21.1.0, Shared Preferences, , DDMS, Fragments, JSON, REST API (XML), JavaScript, JQuery, CSS, Gradle, SQLite, XML, Multi-threading, JIRA.

**Sally Beauty Holdings INC., Dallas, TX Feb 2013 – Jun 2014**

**Android Application Developer**

Sally Beauty Holdings, Inc. (NYSE: SBH) is an international specialty retailer and distributor of professional beauty supplies with revenues of more than $3.8 billion annually. In our project we have created an application that includes push notifications, GPS directions and a user friendly chat room for customers to communicate with the supporting staff directly.

**Responsibilities:**

* Followed the **Agile** and **Scrum** methodologies in the project implementation.
* Illuminated the **wireframes** and created **layouts** and functionality according to it.
* Analyzed complexity and level of effort for features.
* Developed the Navigation Drawer and Splash screen with **ImageView** and **ListView**.
* Implemented **REST** services for getting **JSON** response and used them to get the required information.
* Deployed the application into the cloud using **Amazon Web Services**.
* Implemented **Google Maps API V3** for displaying the registered users depending on their current location and the nearby relatives.
* Handled **UI** updates using multi-threading technologies like AsyncTask.
* Participated in meetings with the **UI** and **UX** team to design the user interface by giving feedback about Android guidelines for developing user interfaces.
* Guided another mobile app developer to develop this application on **IOS** platform.
* **EventBus** library is used to maintain communication between the components in the app and also to decouple event senders and receivers.
* Designed fragments to avoid code reusability and also to manage and allow for a more fluid visual design and also can adapt to phone and tablet resolutions.
* Retrieved data from **SQLite** database by using simple spinner, which allows selecting an item from a drop down menus and to store data into SQLite database.
* Used **PDFJet** library to convert Image files to PDF format.
* Worked with Google Maps Android API to get the store locations nearby.
* Handling **XML** data using efficient parsing techniques such as **DOM parser**.
* Continuously integrated with **SVN** for effectively managing the code.
* Implemented **BDD, TDD** testing mechanism and build Unit test cases using **JUNIT**.
* Maintained all reports and wrote technical specifications pertaining to Android application development process.
* Worked closely with **QA** team while fixing bugs and fragmentation issues.
* Oversaw a well versed **error handling system** in the application.
* Used **GIT** for code repository and maintaining current and historical versions of the source code.

**URL**: https://play.google.com/store/apps/details?id=com.app\_sallysnail.layout&hl=en

**Environment:** Android SDK 4.4 and later, Android Studio, Eclipse, SQLite, GPS service, Log cat, REST, JSON, XML.

**GoGo INC. Chicago, IL Oct 2011 – Jan 2013**

**Android Developer**

Gogo Inc. is a provider of in-flight broadband Internet service and other connectivity services for commercial and business aircraft. We created an application that includes video entertainment for the users which includes movies, TV shows.

**Responsibilities:**

* Involved in the design and implementation of the **UI**, classes, architecture and activities of the mobile application.
* For displaying background images of the app used **Frame Layout**.
* Involved in implementing Asynchronous tasks for the background operations.
* Developed the app to adapt to different orientations and various resolutions based on the device.
* Implemented **MotionEvent, TouchEvent** methods to swirl the snow around with a shake and finger.
* For keep tracking on what devices, places the application was used developed analytics for the application.
* Used **Red5Pro** SDK to allow scalable live streaming and also for second screen apps.
* Implemented **android NDK** for speeding up the application as we used the bit/byte operations are used for the compression of the images.
* Tested the android application by importing the **Espresso** API.
* Developer and designed the request and response data to and from gallery.
* Manually tested each and every phase of app life cycle and implemented the changes parallel.
* Administered in all the phases of **SDLC** from design, development through testing, porting and support of application

**URL**: https://play.google.com/store/apps/details?id=com.gogoair.ife&hl=en

**Environment**: Android SDK, Eclipse IDE, Frame Layouts, DDMS console and User Interface Design

**Serco Global Services, India May 2010 – Sep 2011**

**Role: Java Developer**

Sacro Global mainly focuses on the needs of the people they serve, they also enable their customers to deliver better outcomes. Their main frontline delivery involves vital areas of public life, finding sustainable jobs for the long-term unemployed and including providing safe transport.

**Responsibilities:**

* Involved in Analysis, design and coding on Java and J2EE Environment.
* Implemented Struts **MVC** architecture for the project.
* Developed class diagrams, sequence diagrams, and use case diagrams for the view accounts. Generated skeleton
* Computed the client side validations using Java Script.
* Involved in **JUnit** Testing.
* Used **Hibernate** to integrate with the backend database.
* Used **XML** and **XSLT** to display the pages in the HTML format for the customers.
* Developed an interface, which also shows the check images as the gif files, if there are any in the account
* Wrote different queries for database to retrieve the details from the **DB2** database which are configured for One
* Developed stored procedures and called using **JDBC**.
* Built data-driven web applications using **JSP** by developing custom tags, **JSTL** for all the application pages, **EJB** and **XML**.

**Environment:** Java(JDK 1.4), JDBC, Windows XP, Unix, IBM WebSphere, NetBeans, PL/SQL,DB2,XML,XML Schema, XSL, SOAP,JSS, JUnit ,CSS, JavaScript, JSP, JSTL, JSF, Facelets, HTML, EJB , Struts, Servlets, Swings, Java Bean, Ant, code based on the class diagrams.summary of the account actions, Source System, Rational Clearcase.

**Magna Quest Technologies Pvt. Ltd., India Jun 2008 – April 2010**

**Role: Java Developer**

Magna Quest Technologies limited is a trend-setting and fascinating innovative Enterprise Product-based Solutions Company, which has established its leadership over 15 years, in three broad lines of businesses.

**Responsibilities**

* Involved in Analysis, design and coding on Java and J2EE Environment.
* Implemented struts **MVC** framework.
* Maintained the business standards and the requirements in EJB and deployed them on to **WebLogic Application Server**.
* Designed, developed and implemented the business logic required for Security presentation controller.
* Set up the deployment environment on Web Logic Developed system preferences UI screens using JSP and HTML.
* Developed UI screens using Swing components like **JLabel, JTable, JScrollPane, JButtons, JTextFields**, etc.
* Used **JDBC** to connect to Oracle database and get the results that are required.
* Designed asynchronous messaging using **Java Message Service** (JMS).
* Consumed **webservices** through **SOAP** protocol.
* Developed web Components using **JSP, Servlets** and **Server side** components using **EJB** under **J2EE** Environment.
* Integrated a crystal report to the application which will show all the details of the vouchers on the paper and used for future reference for the workers.
* Developed a **webservice** which will retrieve the details from the Database.
* Prepared complete documentation of the WebService developed.
* Prepared a complete documentation of the project and test case documentation with sample inputs Version control is done by using **CVS**.

**Environment:** Java, J2EE, JPA/Hibernate, Code Generation, Spring, AOP, ERP customization, Web Services (SOAP), JMS, XML, JDOM, JAXP, JBoss, jBPM, Multi-threading, Lucene, Servlets, AJAX, Mock-up framework, XHTML, CSS, Flash, AS 2.0, Maven2, PHP.