**Satya K**

**Android/IOS developer**

**Email: sathyak3232@gmail.com**

**Contact: (857) 444-9830**

Professional Summary

* Over **9+ years** of Experience in **design** and **development** in **Java based applications** and **Smartphone** and **tablet** (**Android**) **development experience**.
* Developed multiple Android applications across versions.
* Extensively worked with **Android SDK** and Eclipse **IDE** along with **Android ADT plug in**.
* Extensively worked on **Memory leaks**, **Data offline usage**, **Content Provider**, **Multiple Screen Support, Push Notifications**, **accounts** and **Sync Adapter** on **Android**.
* Migrated some modules to **KOTLIN**from Java.
* Proficient with common Android Framework API's (**WebView, Email, Bluetooth, Contact Manager, Camera, Notifications, Maps**).
* Knowledge on Integrating third party libraries such as **Facebook, Google Plus, Twitter, Retrofit, Picasso, OKHttp, GSON, Simple-Xml, Dagger2, Jackson, Persistence Room library, Otto, Stetho**.
* Involved in provisioning and Automation servers on Public Cloud like AWS, AWS and Kubernetes.
* Worked on **Ionic frame work** to develop the **hybrid applications** for both Android and iOS by using **HTML and CSS.**
* Experienced in selecting the fitting AWS benefit in view of register, information, or security prerequisites Amazon EC2 setting up examples and setting up **security bunches**
* Experience in implementing libraries in application by using **Android NDK**.
* Experience in implementing different types Design Patterns like **Adapter** &**Singleton, Builder**.
* Good exposure in developing **GUI** using Interface design principles for **Android mobile** and **tablet devices.**
* Strong expertise in creating responsive **UI** for various screen resolutions.
* Expertise in developing applications for Android Operating System using Android Studio, Eclipse IDE, JAVA, **Kotlin**, Android SDK/**NDK**, JNI and ADT plugin.
* Designed **GUI** and **interfaces** with services for **mobile applications**, **Asynchronous Programming** in Android (such as **Thread pool, Handlers, AsyncTask**).
* Hands on experience with **BLE**, **Android Wear and Kotlin.**
* Good Knowledge of health care, e-commerce domain and banking domain.
* Expertise in **Design, Object Oriented Architecture** and **Programming** from design to implementation.
* Experienced in using **Pull**, **DOM** and **SAX** parsers to process, validate, parse and extract data from XML files and proficient with **JSON** and **SOAP** parsing.
* Up to date knowledge of **XCode 8, iOS 10, and Swift 3.0**.
* Experience in working with ReactJS, React Flux, and Redux architecture using complex object-oriented concepts in improving the performance of websites.
* Extensive experience in **XCode, Interface Builder** and Instruments.
* Confidence in working with other IOS developers and got KT on **Swift Code** and **Objective-C.**
* Experience in **Architecture Design**, **development** and **implementation** of software applications and testing.
* Have hands-on experience in complete project life cycle.
* Knowledge **Agile environment** and **Web application** development.
* Experience in **SWIFT** to migrate projects from Objective-C to Swift.
* Knowledge to build apps with **Xamarin Studio, Appcelerator, Qt and Cordova**.
* Experience with testing the compatibility with different browsers like **Firefox**, **Internet Explorer**, **chrome, safari and opera**.
* Experience implementing **data binding** and **MVVM pattern** in **native Android**
* Proficiency in unit testing with Junit and performance testing of **UI, Appium, Espresso, UI Automator.**
* Have extensively worked on **HTML5, CSS3, DHTML, XML, JQuery, JSON**, **JavaScript, Backbone, WCF** (**Soap** and **REST**), **Entity Framework and Linq** to **SQL, WPF, RIA Services and Silver lightTeam Foundation Server, Analysis Services** in developing mobile-based and advanced web-based applications.
* Experience in web service protocols such as **Phonegap, JSON, HTTP, RESTful APIs** and **XML**.
* Experience on tools like Bamboo (**Continuous Integration**),**Jenkins, Base Camp** and **JIRA** (Bug tracking).
* Knowledge on deploying libraries (**AARs**) to **Bintray**, **Jcenter**, **Maven Repo**.
* Experience in version control systems like **SVN**,**GIT** and application servers like **Apache Tomcat**.
* Excellent debugging and problem-solving skills with **IntelliJ IDEA**,**Eclipse** and **RAD**.

Technical Skills

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| **Programming/Scripting Languages** | Android, C, C++, CSS3, PL/SQL, Java, J2EE, JDBC, swift, kotlin,UNIX Shell scripting, Kotlin |
| **Development Tools** | Android Studio, JDeveloper, Net Beans 6.X, MS Visual Studio, IBM Work light, Photoshop, Sublime Text, Atom, IntelliJ IDEA, XCODE, Eclipse, Debuggers |
| **Web Technologies** | HTML 5.0, AJAX, , DHTML, XSL, XSLT 2.0, JSP ,JavaScript, Servlets, AngularJS, NodeJS, JQuery Mobile, Reactjs, Spring MVC Framework & Hibernate |
| **Web Services** | Android SDK, HTTP, Restful Web Services, Google APIs, XML, DOM parsers, SAX parsers, SOAP, JSON |
| **Office Tools** | Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Outlook |
| **Database technologies** | SQLite, MySQL, Realm Database, SQL Server, Oracle RDBMS, MS Access |
| **Third Party Libraries** | Picasso, Espresso, phonegap, Volley, ION, OpenGL, Cordova, Dagger, Retrofit, Jackson. |
| **Testing and QA Tools** | SDK, Junit, Crashlytics, Espresso, Mockito,DDMS, Logcat , Hudson, Test link, BugZilla, Quality Center |
| **Package& Version Control Tools** | JIRA, CVS, GIT, VSS, Repo, Gerrit, Wireshark |
| **Web/Application Servers** | Tomcat 4.1/5.x/7.0/8.x & Apache HTTP Server |
| **Mobile Technologies/Tools** |  Android Emulator, Draw 9-patch, Android SDK, Trace View, AVD, ADB/DDMSTraceview, logcat, lint and Fastboot and ADT tools Eclipse Addon |
| **Operating Systems** | Windows, Linux, UNIX, Mac OSX, IOS, VMware, Android |
| **IOS Applications** | Objective-C, Swift (all versions), Cocoa2D and Cocoa development for iPhone and iPad devices in XCode Interface builder, Xamarin, -UIKit, Cocoa Touchcore data. |

Professional Experience

Client: **Visa Inc, Austin, TX**

Role: Android/iOS Developer **Mar 2019- Till Date**

**Description:** Visa is the world's second-largest card payment organization (debit and credit cards combined), after being surpassed by China Union Pay in 2015, based on annual value of card payments transacted and number of issued cards.

**Responsibilities**:

* Involved in application **android development**, **deployment, defect validation** and **production maintenance.**
* Developed the Mobile Agent application using **Android Studio 0.8.14** and **Android SDK** package.
* Refactoring application using **dagger**.
* Designed the User Interface according to the requirements using **UI components** and **UI Groups**.
* Worked with **Google Maps Android API V2** to display the nearby stores based on user **geolocation**.
* Used Ionic framework to build the hybrid applications for both android and iOS.
* Using **Kotlin** in developing few modules in the application
* Built applications for scale using Angular JS, ReactJS and Redux.
* Integrated camera for capturing images of the card and other documents.
* Registered the Broadcast Receivers for the android system announcements.
* Designed the **Custom Action bar**and **Custom Progress bar** while making **service calls**.
* Strong experience with build automation tools **MVN**
* Deploying multitude applications utilizing almost all the AWS stack Including **EC2, S3, RDS, Dynamo DB, SNS, IAM focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.**

Developed an internal application using ReactJS, Nextjs, Express and NodeJS for Relationship Mangers.

* Spearheaded creation of four new information-security departments: **vulnerability**, **Risk assessment**, **penetration testing** and **security engineering services**.
* Developed code in Java and then C to fit to Mvvm cross v3 APIs.
* Integrated **ZXing** Library to scan the **barcode** and display **barcode image**.
* Used Cordova in Ionic framework to build the hybrid mobile applications.
* Designed the Custom Dialog, using the Fragment Activity.
* AWS Import/Export accelerates moving large amounts of data into and out of AWS using portable storage devices for transport.
* Designed networking for the application using android library layer and **android framework layer**.
* Making the **Restful Service Calls** at the various stages of the app development cycle and parsing the **JSON** responses back from the web servers according to the application requirement.
* Design hybrid Confidential app for Android using Ionic, Cordova, AngularJS.
* Enabled digital content using **digital rights** management.
* Enabled Bluetooth services using **BTLE**.
* Integrated Maps in the Mobile along with **GPS location** based implementation
* Wrote code for client integration with FedEx backend systems and API's like **PARC, SPST and ROSS**.
* Implemented capturing the screenshot of the payment screen, **Bitmap** to **PDF** conversion features using **Android NDK**.
* Created a local database using **SQLite** to store and retrieve the data.
* Implemented **Git** for code management.
* Worked extensively on various Testing platforms like **Robotium, Appium, Roboelectric and Espresso**.
* Involved in web or backend technologies like**Ruby on rails, React**.
* Implemented feature for sharing offer using **Facebook, Mail, Twitter, push notifications** and other social networking sites
* Built native **IOS** and **Android applications** using **Android SDK, IOS SDK** in **Xamarin**.
* Worked with Application Activity Lifecycle call-backs for providing the security and showing the login screen when the app goes to background.
* Migrated the entire app from **roboguice** to **Dagger2** dependency injection.
* Developed detailed test plan and test summary documents that outlined the tests to be performed for the given requirements and the results of these tests.
* Implemented **UI** using **Cordova**.
* Implemented **Jira** for project management.
* Extensively worked on designing the layouts to compatible with screens with different resolutions.
* Assisted in creating an **analysis** and reports.
* Summarized in client discovery sessions.
* Responsible for adding the update module for checking the latest version of the app.
* Updated the app with new features like **push notifications**.
* Responsible for making the application compatible with the Latest Android Version **Lollipop 5.0**.
* Implemented Stash for code review.
* Responsible for testing the application in the **stage, code reviewfixingthebugs** and providing post-production support.
* Worked on testing the application using **Junittesting framework**

**Environment**:Android Version 2.3.3-7.0, GPS services, Android Studio IDE, Windows 10, Java, Kotlin, JDK 8, ionic, Google Maps API V2,Xamarin,MVN, CORDOVA,Appium, Google Volley, Ionic Framework, Kotlin, AngularJS, NDK, XMPP, JUnit, Jira, GCM, Logcat, XML, Espresso, Reactjs, APN, JSON, SQLite, MVVM and Git.

Client: **Whirlpool, Benton Harbor, MI.**

Role: Android Developer **Jan 2017 - Feb2019**

**Description:** The Whirlpool Corporation is an American multinational manufacturer and marketer of home appliances, headquartered in Benton Charter Township, Michigan, United States. The Fortune 500 company has an annual revenue of approximately $21 billion, 92,000 employees.

**Responsibilities**:

* Responsible for developing the emoticons library for the cruise line project. Developed the user interface screens with **Material Design** concepts like **Appbarlayout, Coordinator layout** and implemented animations in the Finder related screens got an appreciation from the creative team.
* Developed the application from scratch for the latest version.
* Used new **Google** owned Persistence Room library to store the **JSON** content into **SQL database** and querying it from there.
* Extensively used Reactjs, D3.Js, under score.js, Node JS and lodash.js for JavaScript object and array manipulations.
* Utilized **GPS location**-based services and **Google Maps API** to enable Google map search for locations in close proximity.
* Designed the screens by using **Custom component views** to reuse in other screens.
* Involved in Sprint Planning and Retrospective meetings to provide feedback on how to approach the upcoming sprint work.
* Developed the online web application using HTML/CSS & JavaScript, Angular.js /Angular4/5, Vue.js, Node.js, Spring Boot, Spring MVN and Bootstrap.
* Using patterns like MVVM and frameworks like Prims to separate concerns in order to enable testability.
* Involved in product triage meetings and requirement gathering meetings to define and discuss the Business Rules with Product and Creative.
* Implemented **Kotlin with Android** content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications.
* Used **Ionic framework**to develop the hybrid mobile applications.
* Used **Wireframes, Ultronand Invision app**extensively to measure the dimensions for developing the application and created the Animations to align with the business rules.
* Implemented Unit testing across the application and used **Espresso, Appium** for **UI** testing.
* Integrated **HockeyApp** to distribute the application to the **Testers/QA** and **Product/Client**.
* Implemented the Google Tag Manager(**GTM**) to update the screen's content and toggle the features in the application.
* Responsible for wrapping up the application to release it into play store.
* Complete a relatively simple work-in-progress written with **Xamarin iOS** native tools (not Xamarin Forms).
* Used internal Disney libraries to develop and to reduce the code size for the app.
* Responsible for showing the huge **JSON** content on the **UI** by using different business logic and database queries.
* Responsible for implementing Accessibility or Talk Back for each and every feature in the application.
* Responsible for Peer Code Review, Defect Resolutions.
* Implemented automation testing using **Appium** test framework.
* Followed the Agile methodology and used **Model-View-Presenter** (**MVP**) design patterns.
* Extensively used Continues **Integration**(**CI**) tool **Jenkins** and **JIRA** bug tracking tool.
* Used extensively **Jackson, Retrofit2, and OkHttp2** to parse **JSON** content and render the model over the UI.
* Handling **RESTful** Networking: (**OKHttp/Retrofit**), **RXJava**
* Experience writing apps from scratch in Kotlin with Android studio.
* Worked on Ionic Framework, to build the hybrid mobile applications for both iOS and Android.
* Used **SonatypeNexus** and Maven repository tools to distribute the software components.
* Used **Git Hub** version repository tool to update the code and raise Pull Requests.
* Added styles and themes to filtered out the Activities which are based on the guest selection.
* Integrated Adobe Analytics for new release and New Relic Analytics for older releases to get the crash reports and to know the Guest walk in the app.
* Followed up with upstream applications to track the missing or incorrect data.
* Used **Juint** and **robolectric** to write the test cases in the application and in the sub modules.
* Integrated **Google's Otto library** to implement Bus event listeners.
* Implemented **Chat messaging** notifications and Activity reminder notifications into Android wearable devices.
* Used Picasso library extensively to render the Deck Map images, Activity venue location images on to UI.
* Involved in the **Regression** and Performance **testing** of the application.
* **Debugged** and **tested** the app to find out the bugs by using **Charles Proxy** and **Stetho library.**

**Environment**: Android 6.0, 7.0, Java 7, Android SDK, Mac OS X, Android Studio, Retrofit 2.1.0, MVVM, Converter GSON 2.1.0, OKHttp, Junit,Xamarin, MVN, Robolectric, REST APIs, Adobe Analytics, Appium,New Relic Analytics, Kotlin, GTM, Room persistence library, Ionic Framework, Roboguice, Dagger2, HockeyApp, Stetho

Client: **Matrix Medical Network, AZ**

Role: Android/iOS Developer **Oct 2015 - Dec 2016**

**Description:** We partner with your health plan and your healthcare providers to deliver care in the convenience of your home. We want to make sure you have the information and support you need to stay as healthy, independent and active as possible. Our licensed clinical providers will visit with you and take the time to really listen to your health concerns**.**

**Responsibilities**:

* Worked on Slide out menu for show the user details using the **views** and **SWrevealController**.
* Worked with **UIKit**Frameworkto design for Auto Layout Constraints development and maintenance.
* Followed **MVC** pattern for easy access and Implemented Navigations between views for the view controllers using Segues.
* Implemented Drop up menu for sharing the photos, contacts, etc. though the application.
* Implemented live video streaming services in the app with third party framework.
* Involved in tracking with the help of coreBluetooth.
* Created CoreData Model and NSManagedObjects to persist data on the device for access.
* Integrated Subversion (SVN) and MVN with Jenkins to implement the continuous integration process.
* Live video streaming functionalities with frameworks **add Live Video SDK, CoreData, AVFoundation**, **Localization**, etc.
* Designed signup page and done validations for all fields.
* Connection to web service was achieved using **GCD**. Delegate methods implemented to handle reception of response, data, error, and load finish.
* Use architecture components and MVVM to enable separation of concerns and make the app testable. That was possible thanks to the data binding library which allowed us to bind most of view-model properties with xml properties into the view and dropping most of the UI-related code in the activity class. It was used in most of the new features introduced in the app.
* Experienced in monitoring and managing of Oracle instances using Enterprise Manager Grid Control (OEMgrid). worked on introductory **Kotlin** and dragged application through MVVM architecture
* Worked with Openfire**API** for chatting and calling in the application by using Github.
* Worked with AVFoundation framework for audio and video.
* Involved in **iOS** performance testing along with Functional and regression tests.
* Coordinated with Configuration Manager for continuous integration.
* Implemented the Kotlin with Android studiofor smooth functioning of the location based services GPS, Bluetooth on Android.
* Worked with **UI Tab Bar Controller** to show information about contacts, chats, calls and voicemail, so that user can access specified view at any time.
* Utilized CoreData for persistence of data and used versioning for data changes.
* Worked on SearchingwithSearchBar and inviting the contacts to chat and calling using framework.
* Implemented **UIScrollView** to show the information about the usage of application.
* Worked on web service calls, **XML** and **JSON** parsing included in the project.
* Used specific **XML** schema for **app's BLE**(Bluetooth Low Energy) 4.0 profile, and use CoreBluetoothFramework APIs for the app to connect different devices of Apple.
* Followed the **Agilemethodology** for implementing the project.
* Took care of Code Review, Code Fixes, Bug Fixes, followed the AppleUI guidelines throughout the project.
* Utilized MVC for design patterns and used instruments to prevent memory leaks.
* Used Automatic Reference Counting for managing the memory.

**Environment** : XCode, Objective-C, Swift, Kotlin, Cocoa pods, iOS 9/iOS 10+, SVN, JIRA, Instruments, MVVM, Interface Builder, Auto Layout, Size Classes, UIKit,Kotlin, Cocoa Touch, NSOperations, Core Data, Core Location, GCD, Mac OSX, RESTful JSON, MVC, AVFoundation, UIKit.

Client: Sears - Chicago, IL **Mar 2014 - Sep 2015**

Role: Android Developer

**Responsibilities**:

* Participated in complete Software Development Life Cycle (**SDLC**) for proper analysis, development, testing, deployment and enhancement of the code with Agile Environment.
* Played a key role in writing application logic using Eclipse **IDE** and **Android SDK**.
* Developed the caching module that caches User profile in **SQLite**. Used both **SQL Helpers** as well as Raw Queries.
* Responsible for developing the **Android UI layouts** (**Linear Layout, Relative Layout**).
* Designed complex User Interface screens using views and widgets.
* Involved in requirement gathering and outlining.
* Worked in Databases using native **android API**.
* 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.
* Responsible for developing the user login screens and design the Context menus based on the Android Menu Navigation, Tabbed Navigation control and Action Bar Control.
* Responsible for the Android business logic that uses **JSON** queries for getting data from the backend systems.
* Redesigned the cart checkout process with enhancements such as the accordion-style interface that acts as guide to complete user purchase.
* Responsible for Peer Code Review, Defect Resolutions.
* Managed and coordinated for timely deliver.
* Used shared preferences to store and retrieve persistent key value pairs across user sessions.
* Enhanced the store pickup, shipping and delivery features to improve the process of checking in-store availability and online purchasing through apps.
* Used subversion for branching and merging new features without disrupting mainline development on trunk.
* Testing included emulator and device testing with multiple versions and sizes.

**Environment**:Linux, Android 4.0, Java, Eclipse 3.5, IntelliJ IDE, Volley, SQLite, JSON, REST APIs, Subversion, XML.

Client: Acuvate Software Inc - Hyderabad

Role: Java Develope**r Jan 2012- Feb 2014**

**Responsibilities**:

* Responsible for overall design & analysis of **UI** components and integration with existing **J2EE**.
* Implemented the integration with the back end system with web services using **SOAP**.
* Involved in integrating Web Services using **WSDL** and **UDDI**.
* Front-end development using **HTML**, **JSP, AJAX**.
* Used Spring Framework for **MVC architecture**.
* Implemented the integration of Struts with **spring**.
* Implemented various design patterns like **Factory, Abstract Factory, Singleton, Service Locator, DAO**, **Business Delegate** etc.
* Used Struts framework in **UI** designing (Tiles) and validations.
* Working with **SQL Server** including storage and manipulating data.
* Written **POJO Classes**, **Hibernate** mapping files for **Hibernate Object**-To-Relational Mapping with various **MVC frameworks**.
* Used **SQL** statements and procedures to fetch the data from the database.
* Used **CVS** as a documentation repository and version controlling tool.

**Environment**:Hibernate, spring, J2EE, Servlets, HTML, JSP, AJAX, CVS, UML, XML, XHTML, DHTML, JavaScript, CSS, XSL, Oracle 10g, SQL.

Client: SOA Software - Hyderabad

Role: Web Developer **May 2010- Dec 2011**

**Responsibilities**:

* Developed the App using **HTML**, **JavaScript, CSS** and **Servlets**.
* Deployed the application in **Tomcat**.
* Using the advanced level of **jQuery**, **CSS, JavaScript** and pure **CSS layouts**.
* Maintain, enhance, and recommend solutions that best suit business and technology needs from UI standpoint.
* Wrote application level code to perform client side validation using **jQuery** and **JavaScript**.
* Designed the front-end applications, user interactive (**UI**) web pages using web technologies like **HTML, CSS,XHTML**
* Wrote **jQuery** function while implementing various UI Screens across the whole web application (both consumer facing as well as internal application).
* Closely worked with business system analyst to understand the requirements to ensure that right set of UI modules been built.
* Used **GIT** for version control and Quality Center for defect tracking.
* Define technical requirements based on business requirements.
* Worked on cross-browser compatibility issues and fix the **bugs** pertaining to various browsers.
* Strong communication, analytical and interpersonal skills working within **cross-functional teams**.

**Environment**:HTML, CSS, JavaScript, jQuery, Oracle, spring, Servlets, JSP, Windows.