MADHU K

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**Professional Summary:**

* **5+**yearsof Software Development applications experience for phone and tablets devices.
* **3** years of smartphone and tablet (Android) development experience. Developed and architected multiple Android applications across versions. I have a good understanding of Android UI guidelines.
* Expertise in Multithreading, Collections, Exception handling and Serialization.
* Strong knowledge of Android basic components i.e. **Activity**, **Fragment**, **Service**, **Broadcast Receiver** and **Content Provider**.
* Experience Insoftware engineering and development, agile development methodologies and test/behavior driven development.
* Extensive experience in building mobile applications using Android framework APIs (**SQLite Database**, **Camera**, **Animations**, **Maps**).
* Worked with Android adapter views like **List view**, **Grid view** and **Gallery**.
* A self-driven, goal oriented, customer focused software professional with proven ability to successfully work in all phases of Software development lifecycle. A valued team player with strong written communication, verbal communication skills, problem solving skill s, customer service and interpersonal skills.
* Experience developing in Unix/Linux environment.
* Very good understanding of android Back-end and UI guidelines.
* Experience with an **SCRUM** Agile &**RAD** software development methodology.
* Experience in building apps, which consume **REST** and **SOAP** web services using **JSON**&**XML** parsing.
* Working experience in Android Connectivity components like Bluetooth, Wi-Fi APIs and Location Based Services along with Google Maps API v2.
* Experienced of working on Android platform and Frameworks and customizing it as per requirements.
* Tested the application using **Espresso** and UIAutomator automation tools.
* Experience of working on Android **design pattern** principles.
* Expertise in developing apps using SQLite, Java, XML, Google Maps API and GPS Location Data.
* Worked on Android Integration framework tools like **Espresso** and **Gradle**.
* Experience in writing **JUnit** test cases using **Robolectric, Espresso.**
* Excellent knowledge and working experience in Android SDK, Eclipse IDE, Android Studio, IntelliJ IDEA, Application Stack and Android Architecture.
* Experience working with Google cloud messaging **(GCM)**.
* Expertise in working with public APIs, such as Twitter, Facebook, Google, YouTube.
* Experience in using third party libraries and **GitHub.**
* Experience in working in Agile environment and coordinate with offshore teams
* Having knowledge on using **Retrofit** retrieving and upload **JSON**
* Experience in tracking issues using **Jira**
* Have interacted with customers regularly during development of the mobile applications.
* Dedicated team player, quick learner, self-starter, excellent analytical, design and problem solving skills

**Skill Set**

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| **Programming languages** | C,C++, JAVA/J2EE, Java Script , JDBC,SQL |
| **Operating System** | Windows (2000/XP Professional, Windows 8, Windows 10), Ubuntu, Mac Pro, Macintosh, Linux |
| **Web Technologies** | HTML ,CSS, Java Script, JQuery, AngularJS. |
| **Android App**  **Mobile Development** | SDK 2.x, 3.x, 4.0, 4.2 Android, API – Activities, List Views, Adapters, SQLite, Horizontal scrolling, Notification Manager, Contact Content Provider, Map, HTTP Client. Eclipse IDE, ADT plugin, Android SDK 2.3, Java, XML, SQLite, GIT |
| **IDE** | Eclipse 3.x, Android Studio, Android SDK, Microsoft Visio 2007 |
| **Web Servers** | Apache Tomcat 5.5, Apache ANT, Maven, Apache HTTP Server |
| **Application Servers** | Apache Tomcat 5.5/6.0/7.0/7.1, WebSphere 6.0 |
| **Databases** | MySQL 5.0/5.5, SQLite 3.6, Oracle 10g/9i/ SQL Server 2005. |

**Professional Experience**

**Client:Gulfstream-Savannah, GA Dec ‘17 – Till Date**

**Role: Android Developer**

**Description:**

Gulf Stream is an aircraft manufacturingBusiness Company produces with world latest technology. CabinControl one of theaboard the latest-generation interior. The app links Cabin Management System and is the key to creating the absolute cabin setting. Simple navigation allows control of everything from the temperature to Music, Videos, and Lights. Cabin control designs with unique features like bring back aircraft floor plan automatically. We are using an android latest version 7.0 Nougat

**Link:**[**https://play.google.com/store/apps/details?id=com.gulfstream.gcms.client.atouch&hl=en**](https://play.google.com/store/apps/details?id=com.gulfstream.gcms.client.atouch&hl=en)  
**Responsibilities:**

* Interpreted the wireframes and created layouts and functionality according to it.
* Applied snap in place of horizontal scroll view.
* Implemented the layout for search filter for phone and tablet according to the wireframes.
* Created search filter functionality with OrmLite.
* Fixed the bugs identified by the QA testing team.
* Worked in an Agile based environment and finished all the tasks assigned in each sprint.
* Tracked issues using JIRA.
* Participated in sprint planning meeting.
* Performed Testing using **Espresso 2.0**.
* Developed the Splash screen and Navigation Drawer with Image View and List View.
* Participated in daily scrum meeting to inform the progress made or any blockers faced.
* Worked with an offshore team and took part in meeting every day to keep track of different tasks or to add a new task for a story.
* Integrated APIs in Settings Menu for itemized display of the user's preference.
* Collaborated with back-end developers to ensure UI designs are implemented and tested correctly.
* Created test-cases and Unit Testing is done using JUNIT Framework using ANT & used CVS for Version Controlling.
* Used GitHub as project version controller.

**Environment:** Android Studio, Android 4.1 API’s , IntelliJ IDEA, Github, XML, HTML5, OrmLite, HockeyApp, Janrain, Oracle , Google analytics GTM, Android Volley, Pluck, GSON and New Relic

**Client:Oncor Jan’16 – Nov ‘16**

**Role: Android developer**

**Location:Dallas,TX.**

**Responsibilities:**

* Involved in requirement gathering and designing of the application.
* Responsible for consuming the REST services, getting a JSON response and parsing them to get the required information.
* Implemented the search functionality, Action Bar and Draw-9 Patch Images.
* Worked on local data storage using shared-preference.
* Worked on the Android AsyncTask service to update List View Screen.
* Worked with design/UX team to create user-friendly, aesthetically pleasing, and full functional UI.
* Collected the requirements with the client and documented the requirements.
* Followed the agile methodology for implementing the project.
* Worked with Implementing the Barcode scanner.
* Analyzed and fixed the defects for various modules in the QA stages.
* Designed screens related to Categories and Detail description for different sized devices by customizing views as per mockup. Created Master-Detail Interface for tablet implementation.
* Added parser classes for Tablet which involved parsing JSON feeds.
* Involved in requirement gathering, UI design and development.
* Responsible for design and handling the SQLite database functionality for the application.
* Provided subsequent releases which included feature changes, enhancements and bug fixes.

**Environment:**Android SDK, Android API's, Eclipse IDE, XML, HTML5, REST services, Oracle, JSON

**Client: Kahootzz May ’13 – ’15 July**

**Role: Androiddeveloper**

**Location: Hyderabad, India**

**Link**:<https://play.google.com/store/apps/details?id=com.healthagen.iTriage>

**Responsibilities:**

* Involved in the full life cycle of the project including planning, designing, development, testing and deployment.
* Involved in requirement gathering and designing of the application.
* Responsible for consuming the REST services, getting JSON response and parsing them to get the required information.
* Integrated location based services using Google Maps API to display locations of the nearest stores.
* Implemented unique design for portrait and landscape mode.
* Implemented SQLite databases to monitor shipments.
* Implemented customized web view component to load an SWF file and HTML data.
* Handling XML data using efficient parsing techniques such as DOM parser.
* Work closely with the web application development team to ensure proper integration between mobile application and web application.
* Tested the application on various Android devices.
* Used Android content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications.
* Used services, Asynchronous tasks and Alert Notification API to implement event reminder feature into the mobile app.

**Environment:** Android SDK, Java, REST API XML, SQLite, MySQL, HTML5, JavaScript, JQuery, CSS, Eclipse IDE, Linux, Tomcat

**Client:Catalis -Chennai, India April' 11 to March’13**

**Role: Java Developer**

**Responsibilities:**

CISUI Batch Monitoring is to monitor the batch jobs online. The Batch Monitoring will be part of the current CIS Monitoring application which currently monitors the real time API calls across CIS. Batch Monitoring will use its own set of tables in the WCC schema to store the static and dynamic data. The static tables will be used to store static information related to a job or process.

* Was involved in the Design process of the project.
* Wrote Data Access layers for the code which is used for manipulating data in the Database,
* Implemented business logic in corresponding java class.
* Created few pages with GUI swing to enable user interactions with the application.
* Configured the POJOs with backend tables in Hibernate to achieve the associations.
* Implemented Spring MVC controllers like Controller, Simple Form Controller.
* Implemented Spring MVC framework in the presentation tier for all the essential control
* Was involved in the middleware of the project.
* Wrote Data Access layers for the code which is used for manipulating data in the Database.
* Developed Front-end UI using JSP, HTML and JavaScript.
* Developed Triggers and Stored Procedure in SQL and PL/SQL for database activities for various database schemas and business logic using SQL Developer.
* Involved in writing shell script to export oracle table's data into flat files and performed unit testing using JUNIT and used Log4j for logging and automatic batch jobs.
* Testing of JSPs, Servlets and Business Objects was done on Eclipse test environment.
* Deployed the application on the WebSphere Application Server.
* Worked on several **Eclipse RPC** toolkits and plug-in.

**Environment:** Java 1.5, Servlets, JSP, Spring MVC, Swing, Hibernate, SVN, JavaScript, Web sphere Application Server, UNIX shell, Putty

**Education**

* Bachelorsin Computer Science.
* Masters in Computer Science.