**Bharani Linga**

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**(708) 762-9241**

**Android Developer**

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| **PROFESSIONAL EXPERIENCE:** |

* Total 6+ years of experience in designing, developing and, deploying which includes 5 years’ hands on experience in Android application development and design, requirement analysis, testing and deployment for high-end enterprise level and consumer level Android mobile applications and Java based applications.
* Expertise in developing android applications in IDE's like Eclipse, Android Studio, Titanium mobile,

Dreamweaver, Visual Studio, and Xamarin based on client specified implementations.

* Expertise in Web technologies using Core Java, J2EE, Servlets, JSP, JDBC, Java Beans, and Client/Server

Architecture.

* Proficient in building apps that use various network communication protocols such as SOAP, JSON, XML Pull Parsing and RESTful API's.
* Worked on VoIP application for Comcast, which has features like Mailing, Texting & Calling, supporting OS from 2.3 till date.
* Experience in porting applications to multiple Android OS versions and multiple form factor based devices like Phones and Tablets.
* Implements Firebase Dynamic Links, Firebase Cloud Messaging, Google In-App Purchases,Google AdMob, Proguard.
* Extensive design and programming experience with web technologies like Java Script, HTML5, CSS, PHP and AJAX.
* Utilized best practices and libraries in Android Development, namely: Kotlin, MVVM architecture, RxJava 2.
* Extensive back-end experience in creating structure for databases using the SQLite Database API.
* Experience in software engineering and development, agile development methodologies and test/behavior driven development.
* Ability to lead teams and experience working in agile environment using SCRUM methodology.
* Experience developing and debugging Android applications with high use of threads and multi-threading environments.
* Design, code and test in-flight entertainment companion application, using the Android SDK, Android Studio, Gradle, and Kotlin.
* Implement and maintain SSL Mutual Authentication between the Android application and servers.
* Profound experience in writing Test plans, Test cases and Test scripts.
* Experience in redesigning android application to support all Android OS versions.
* Experience with various version controls GIT, STASH, BitBucket and Vault.
* Proficient in Android applications development involving User Interface development, Notifications, Adapters, Content Provider, Services, XML Parsing and Telephony Manager.
* In-depth working knowledge of the Software Development Lifecycle (SDLC) methodology and how to apply them to a flexible, dynamic development environment.
* Experienced in using a web based application used for managing tests scenarios and defect tracking and management.
* Good knowledge on different layers in Android stack like Linux Kernel layer, Native layer, Application Framework Layer and Application Layer.
* Worked on Application development, Middle ware development, porting on hardware, bug fixing, customization and OS up gradation.
* Experience in Interaction Design, UI/UX components of android application such as Text View, List View, Menus, Buttons, Dialog boxes, and Action bars for various layouts.
* Integrated various third party open source APIs like Face book, Twitter, YouTube, Instagram and Google Maps API V2 for custom Android applications.
* Involved in preparing Documentation to meet the SLAs.
* A self-motivated professional possessing good technical, leadership and problem-solving skills and proven to be a good team player.
* Excellent conceptual and logical thinking & ability to grasp and master new technologies.

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| **TECHNICAL SKILLS:** |

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| **Programming Languages:** | C, C++, Java, Objective-C. |
| **Technologies:** | Android, PhoneGap, Appcelerator, J2ME, Blackberry,  Eclipse4.3, Android Studio, Titanium Studio 3.2, Adobe  Dreamweaver CC, Visual Studio, Kotlin, Xamarin. |
| **RDBMS:** | My Sql5.1, SQL, SQlite, Oracle, PL/SQL. |
| **Operating Systems:** | Windows XP/Vista/7/8, Linux, Mac OS X. |
| **Web Development:** | JSP 2.3, Hibernate 4.3.5, JavaScript 1.8.5, JSON, XML 1.0, XSLT 2.0, PHP, HTML 5.0, CSS. |

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| **EDUCATION:** |

* Bachelor of Technology in Computer Science and Engineering.

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| **REFERENCES:** |

* References are furnished upon request.

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| **WORK EXPERIENCE:** |

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| **Client: Questar Assessments Inc, Apply valley, MN**  **Role: Sr. Android Developer Sep 2017 to Present** |

**Responsibilities:**

* Followed the Agile and Scrum methodologies in the project implementation.
* Interpreted the wireframes and created layouts and functionality according to it.
* Shared responsibility in the design and architecture of features.
* Ensured that the proper infrastructure is in place for features.
* Analyzed complexity and level of effort for features.
* Design, code and test cloud based systems using Android SDK and Android Studio.
* Developed the Splash screen and Navigation Drawer with ImageView and List View.
* Implemented REST services, getting JSON response and parsing them to get the required information.
* Implemented Google Maps API V3 for displaying the registered users depending on their current location and the nearby relatives.
* Involved in coding of business logic using core JAVA and applying proguard for the application.
* Used tools like Gradle for building, Proguard for shrinking code and Jenkins for continuous integration.
* Good Experience with ProGuard and DexGuard files.
* Used Reactive-X programming with Kotlin in the development of the Android app.
* Migrated multiple components to Kotlin making use of the new extension functions, delegate properties and avoid Null Pointer Exceptions.
* Coordinate meetings with the UI and UX team to design de user interface by giving feedback about Android guidelines for developing user interfaces.
* Helped another mobile app developer to develop the same application on IOS platform.
* 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.
* Populated spinner data from SQLite database by using simple spinner, which allows selecting an item from a drop down menus and to store user and app data into SQLite database.
* Used RESTful network communication protocol to consume a web service, getting JSON response and parsing them to get the required information.
* Converted Image files to PDF using PDFJet library in order to support local printing.
* Worked with Google Map API to get public printer locations and Xerox workplace printers.
* Handling XML data using efficient parsing techniques such as DOM parser.
* Effectively managed the code review using continuous integration with SVN.
* Implemented TDD, BDD testing mechanism and build Unit test cases using JUNIT.
* Worked on Password and Email validation.
* Implemented the payment system using NFC.
* Integrated APIs in Settings Menu for itemized display of the user's preference.
* Used GIT for code repository and maintaining current and historical versions of the source code.

**Environment: Android SDK 4.4, Android Studio, SQLite, GPS service, Kotlin, Log cat, REST, JSON, XML, DDMS Console, Windows 7.**

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| **Client: DH Financials, Miamisburg, OH**  **Role: IOS Developer Jan 2016 to Aug 2017** |

**Responsibilities:**

* Involved in full life cycle of the application including prototyping, design, and development, and testing.
* Developed applications (Native and Dalvik) on Android phones.
* Designed application with an android framework, which includes Activity Manager, Content Providers, Resource Manager, Notification Manager, View System and Package Manager.
* Provided all images contained on website along with detailed descriptions of products contained on both website and mobile application.
* Created Android app initially in Java and migrated it to Kotlin.
* Worked in all the phases starting from preparation of functional specs till ITT defects Developed code using UINavigationController, UIViewController, UITableView, UICollectionView and many more Custom view controllers, custom protocols.
* This app was implemented using native UIKit and Foundation, iOS 9.x, iOS10 Frameworks and Cocoa pods.
* Designed system widgets that let to set their color palette, and default animations for touch feedback and activity transitions by material design specifications.
* Updated fragments and layouts to provide a more intuitive user interface.
* Using Bluetooth APIs, the application can scan other Bluetooth devices and query the local Bluetooth adapter for paired devices.
* Application establishes a RFCOMM channels and connect to other devices through service discovery.
* Developed the application with Gradle build which has unified cross platforms to build, integrates with everything, robust dependency management, faster build tool to enterpriser and build reporting.
* Application implemented as a single-page Backbone app with a custom data layer that used an in-memory message bus (postal.js) for data request and application events.
* Implemented Web Views to provide easy and seamless access to website.
* Designed and implemented code structures, which can be used to develop all Machine-to-Machine applications, the UI, design tactically separated from other M2M features.
* Wrapped the application using PhoneGap and deployed to the mobile platforms.
* Good understanding of Client-server, Cloud computing service architecture and Internet Technologies (e.g., HTML, CSS3, jQuery, XML, JSON, HTTP, TCP/IP).
* Build Mobile Application in Swift, Objective C, Kotlin, Android & React Native.
* Refactored the code base to optimize start-up time and memory usage.
* Integral in internationalizing of the app to support different languages.
* Key resource for layout and UI work utilizing xml, Views, List View, Menu Item, Activities, Fragments, Frame, Animations, Notifications, etc.
* Worked on more than 20 projects segments to make a final product.
* Writing Unit test cases using Robotium Framework.
* Worked on debugging the application using Log cat, DDMS.
* Tested the application on various Android devices.

**Environment: Eclipse, iOS, SDK, PhoneGap 2.8.1, Apache Cordova, Backbone, node.js, postal.js, Java, Kotlin Jackson, JSON, Relative Layout, Fragments, Services, Intents, AsyncTask, SQLite, ZXing, JIRA and Git.**

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| **Client: BCBS, Eagan, MN**  **Role: Android Developer Mar 2015 to Dec 2015** |

**Responsibilities:**

* Designed and coded application components in an agile environment utilizing a test driven development approach.
* Responsible for design of UI using various custom layouts, buttons, dialog boxes, alert boxes and different form of widgets.
* Implemented functionality based on the business requirements for major releases.
* Responsible for inserting suitable code to capture the various button and text field events and implemented the desired action for each of the widgets.
* Worked on web views, list views & populated lists to display the lists from database using simple adapters.
* Used logcat, DDMS (Dalvik Debug Monitor Server) and trace view for debugging and detecting memory leaks.
* Worked with an offshore team and had to attend meetings on daily basis to keep track of different tasks and to receive updates on the project.
* Used Android content providers for implementing features like sending E-mails from the app.
* Implemented the required GUI by making modifications to the XML files.
* Used JavaMail API using Gmail authentication to send email without using the default/built-in app.
* Worked on Android content providers for implementing features like sending E-mails, SMS, etc., from the app.
* Worked on services, Async tasks and Alert Notification API to implement event reminder feature into the mobile app.
* Responsible for Embedding Google Maps, GPS Location Data into app with zooming controls.
* Responsible for saving data module such as personal healthcare facilities, doctors, diseases, medications, insurance information, and health plans in the SQLite database.
* Handled XML data using efficient parsing techniques such as DOM parser.
* Responsible for deploying the app to the Android Marketplace and supported the app for different releases of Android OS.

**Environment: Android SDK 4.1, 4.3, SQLite, Eclipse IDE 3.8, 4.2, JDK 7.0, XML 1.0, GPS, ADT Plug-in, Logcat, DDMS console.**

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| **Client: SAB IT Services, India**  **Role: Android Developer May 2012 to Nov 2014** |

**Responsibilities:**

* Involved in full life cycle of the application including wireframe design, server development and client development.
* Designed the features for the database interface relevant for the mobile application from the existing system.
* Responsible for design of user interface using various custom layouts, buttons, dialog boxes, alert boxes and different form of widgets.
* Inserted suitable code to capture the various button and text field events and implemented the desired action for each of the widgets.
* Used web views, list views & populated lists to display the lists from database using simple adapters.
* Used Timber as logger to extend the Android Log functionality.
* Implemented locations services and upgraded the implemented Google maps version to the latest.
* Used Android content providers for implementing features like sending notifications, etc., from the app and designed suitable GUI for these applications.
* Used services, Async tasks and Alert Notification API to implement reminder feature into the mobile app.
* Involved in implementing Async task for the background operations.
* Worked on debugging the application using Log cat, DDMS.
* Tracked issues using JIRA.
* Performed testing on various android devices and the android emulator.
* Used v4 and v13 support libraries for making Navigation drawer and hooking them with the fragments.
* Collaborated with UX team to develop the best User Experience and gave ideas for rich platform independent UI.
* Performed debugging on the various modules/functions to ensure that the output is as expected.
* Performed unit testing using JUnit test cases and automation testing using Rubidium Automation Framework.
* Identifying Critical/Crash/Hidden defects in applications using mobile apps and Ability to give suggestions for a quick fix by analyzing logs.
* Implemented wrapper classes for sever code and also designed the database tables for all the features in MySQL database.
* Developed the code in objected oriented manner for better code reuse.
* Created the client codes using JAVA in eclipse IDE 3.6.

**Environment: Android SDK 2.2, Ubuntu, Eclipse IDE 3.6, XML 1.0, JSON, Java, JRules, Groovy, J2EE, Spring, Hibernate, JSP, Oracle WebLogic, JQuery, XML, HTML, CSS, cTests, OSB.**