**D CHANDRASHEKAR RAJU**

**Mobile**: +91 9886326862

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**Area of Expertise**

* **Android application development**
* Understanding of Activities, Fragments, Services, Broadcast receivers and Content Providers.
* Skilled in MVC, MVP, MVVM, Clean architecture and numerous design patterns in application development.
* Proficient in latest android architecture components such as Room, Live Data, Navigation, Data binding and Paging library.
* Implemented asynchronous services to update local storage and notify updates in the UI (Content Providers, Services, SyncAdapters, Loaders).
* A sound understanding of HTTP, JSON and REST-style web services.
* **Android Framework development**
* Expertise in Android boot up process and init language.
* Good knowledge of input event handling in android framework.
* Hands on experience in process management in **ActivityManagerService**.
* Expertise in board bring up and **android porting**.
* Base phone applications like **Phone, Messaging, Contacts & Settings**.
* **Enterprise application development**
* Enterprise application development using Java,J2EE.
* Expertise in SQL Queries, PL/SQL development, functions, stored procedures, triggers and cursors.

**Professional Summary**

* **Technology Specialist** in **Honeywell Technology Solutions** since April 2018.
* **Technical Lead R&D** in **Mavenir Sytems** from June 2015 to March 2018.
* **Lead Engineer** in **Samsung R&D Institute India Pvt. Ltd** from March 2014 to May 2015.
* **Sr.** **Engineer** at **Borqs Software Solutions Pvt. Ltd,** Bangalore from October 2011 to February 2014.
* **Software** **Engineer** at **Infosys Technologies Ltd,** Bangalore from July 2009 to September 2011.

**Education Qualification**

* B.E(Computer Science) from RV College of Engineering, Bangalore in 2009.
* PUC from Presidency College, Bangalore (Karnataka P.U Board) 2005.
* SSLC from Florence English High School, Bangalore in 2003.

**Technical Exposure**

* Platform: Windows, Unix/Linux(Ubuntu)
* Programming Languages: Android, Kotlin, Java, J2EE, PL/SQL, XML.
* Tools Used: Eclipse, Android Studio, Repo, git.

**Work Experience**

**1) Honeywell Technology Solutions**

**Project #1 : Retail billing software**

Environment : Kotlin Duration : 12 months

**Description:**

* Product for SME’s in India which enables seamless handling of billing, purchases, inventory, accounting and compliance.

**Responsibilities:**

* Redesign the app using MVVM and latest android architecture components such as LiveData, Room and Paging and guide the team to address design and development
* Design and implement paytm merchant integration for payments.
* Responsible for code review and providing review comments.

**Project #2 : Connected Freight**

Environment : React Native Duration: 6 months

**Description:**

* Product used in cold storage to track temperature, humidity and alert the supervisor in case of any deviations from the specified range.

**Responsibilities:**

* Lead application development to ensure all the best design practices are followed.
* Encouraged the team to use Kotlin and Android Jetpack for development.
* Responsible for code review and providing review comments.

**Skills acquired:**

* Understanding of MVVM and latest android architecture components recommended by Google.

**Project #3 : OneWireless**

Environment : Kotlin/Java Duration: 7 months

**Description:**

* Provisioning application to provision field device access points and field devices into OneWireless network using Bluetooth.

**Responsibilities:**

* Design and implement the app using MVVM and latest android architecture components.

**2) Mavenir Systems**

**Project #1 : Business client development for T-Mobile**

Environment : Java, Android Duration: 8 months

**Description:**

* Mobile Voice and Messaging Client solution using WebRTC.

**Responsibilities:**

* Lead client development for Android, guiding the team to address design and development
* Design and implement contacts, calendar, messaging and call functions.
* Actively participating in code review and debugging activities.

**Skills acquired:**

* Understanding of android calendar provider and call scenarios.
* Clean architecture understanding and implementation.

**Project #2 : DIGITS client development for T-Mobile**

Environment : Java, Android Duration : 21 months

Playstore link : <https://play.google.com/store/apps/details?id=com.tmobile.digits>

**Description:**

* Mobile Voice and Messaging Client solution which enables mobile operators with feature rich voice solution to differentiate VoLTE, VoWiFi and RCS.

**Responsibilities:**

* Design and implement contacts, message sync and call scenarios.
* Analyzing and debugging the issues across various modules in client.
* Debugging and fixing issues in production

**Skills acquired:**

* Understanding of android contacts provider and sync adapter framework.
* UI/UX design.
* Exposure to MMS and Calls functionality.

**3) Samsung R&D Institute India - Bangalore Pvt. Ltd**

**Project #1 : Improvements and optimizations in Memory**

Environment : Java, Android Duration : 15 months

**Responsibilities:**

* Smart memory manager feature to effectively maintain LRU list in android and prevent sluggishness.
* Device SluggishManager feature to collect heuristics of application details and ensure smooth behavior of the application.
* Memory optimizations/enhancements in android.
* Debugging memory related issues in android.

**Skills acquired:**

* LRU implementation in Android and enhance it to improve application launch times and performance.
* Optimization techniques in maintaining cached and empty apps.
* Systrace analysis to determine performance issues.

**4) Borqs Software Solutions Pvt. Ltd**

**Project #1 : Android platform bring-up and stabilization on Renesas Chipset  
 & resolving customer facing issues**

Environment : Java, Android Duration : 10 months

**Responsibilities:**

* Responsible for porting android on Samsung phone based on Renesas chipset.
* Upgrading the android software from previous versions of android to latest android versions of android (For ex: JellyBean 4.x to KitKat).
* Issue resolution at android framework level during various stages of the project like TA, PVR and PRA phases.
* Resolving CTS issues and ensuring android compatibility.
* Customizations in the target device.

**Skills acquired:**

* Knowledge of android initialization process, boot up sequence.
* Understanding of android makefile structure and adding new device.
* Knowledge about PowerManager, AMS, Init language, Storage, FS in Android.
* Knowledge of base android applications like Contacts,Phone.

**Project #2 : POC Float applications for Micromax devices.**

Environment : Java, Android Duration : 6 months

**Description:**

* Development of IFloat Call & IFloat MMS using WindowManagerService.
* IFloat applications are the ones which exist on top of other applications (like a system dialog).

**Skills acquired:**

* Exposure to android application development
* Knowledge on the working of Phone and MMS native applications.

**Project #3 : Android platform bring-up of JellyBean MR2 and KitKat on Renesas chipset using PDK**

**Environment** : Java, Android **Duration** : 3 months

**Responsibilities:**

* Responsible for porting new versions of android on devices well before the launch of the new android version using PDK.
* Responsible for bringing up the device with minimal framework and applications available from PDK. (Ex: JB to JB MR2 and KitKat)
* Ensuring new features are compatible before the new version of Android OS is actually released
* Customizations in the target device.

**Skills acquired:**

* Knowledge of android initialization process, boot up sequence.
* Components needed for basic android bring up.
* Interrelation with various android components.
* Complete understanding on how to port new versions of android using PDK

**Project #4 : Renesas mobile platform Integration**

Environment : Android,Linux Duration : 5 months

**Responsibilities:**

* Integration and code review for the components related to android framework.
* Resolving customer facing issues in PF software.
* Ensuring daily and weekly releases to customer on time.

**Skills acquired:**

* Android framework components exposure.
* GIT tool setup and usage.
* Repo tool setup and usage.

**Project #5 : Enhancement of Android platform for MetroPCS on ZTE hardware**

**Environment** : Java, Android

Borqs provided MetroPCS, an operator based in US, with complete solution of Android Gingerbread (V2.3.5). This project aims at providing enhanced UI, additional features and applications upon base (vanilla) android as per MetroPCS requirements. Project included stabilizing the android platform and phone's performance on ZTE hardware, a mobile OEM based in Shenzhen, China.

**Responsibilities:**

* Designing and developing new features in applications and frameworks.
* Fixing critical issues across the android platform.

**Skills acquired:**

* Developing new features and fixing issues across all modules in android.
* Fixing critical issues within a time-frame of 24 Hrs to 48 Hrs.

**5) Infosys Technologies Ltd., India**

**Project#1 Equity Financial Products (Risk Engine)**

**Client:** Bank of America **Environment:** JAVA, PLSQL, UNIX, Python,Shell

Risk Engine team is the source for Risk, P/L and Attributions for Global Equities including Derivatives. The group is involved with development and support of Risk Engine jobs .The Risk Engine team is responsible for calculation and verification of P&L, dividend calculation, Net Interest Expense and handling any issues regarding the same

**Responsibilities:**

* Functional analysis, requirement specification, development, Testing and integration.
* Worked on core java and used JDBC for database access.
* Worked on developing various procedures and functions using PLSQL.

***I have undergone 6 months of technical training at Infosys, Mysore. This training mainly involved Java along with SQL and PL/SQL.***

***The training at Infosys also involved sessions on soft-skills.***

**Achievements**

* Selected for HP training during final year of B.E from RVCE.
* Participated and won prizes in several extracurricular activities throughout school and college years.
* Awarded Performance Incentive while working at Borqs and Mavenir Systems.

**Personal Profile**

***Name***: D CHANDRASHEKAR RAJU

***Father’s******Name***: N DHARMARAJU

***Date******of******Birth***: 16th SEPT 1987

***Nationality***:INDIAN

***Languages******Known***:English, Kannada, Telugu and Tamil.

***Address***: #1219, 4th Cross, 5th main,

‘A’ Block, Sahakarnagar,

Bangalore, Karnataka. PIN-560092

**Declaration**

I hereby declare that the above mentioned information is correct up to my knowledge and

I bear the responsibility for the correctness of the above mentioned.

Place: Bangalore

D CHANDRASHEKAR RAJU