

Rajesh Kanakamedala

Chicago, IL | (518) 894-9795 | kanakamedala.rajesh@gmail.com

Education

MASTER OF SCIENCE | MAY 2016 | UNIVERSITY AT ALBANY, SUNY | GPA 3.3

- **Major:** Computer Science
- **Related coursework:** Operating Systems, Software Engineering, Artificial Intelligence, Algorithms and Data Structures, Information Retrieval, Database Systems I, Data Mining, Information Retrieval, Cyber Security.

BACHELORS OF TECHNOLOGY | MAY 2013 | JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY | GPA 3.6

- **Major:** Computer Science and Engineering
- **Related coursework:** Web Technologies, Software Project Management, Mobile Computing, Operating Systems, Object Oriented Programing Concepts, Database Management Systems

Skills & Abilities

LANGUAGES

Java, PHP, Python, Apache Lucene, Java Servlet, AngularJs, ReactJs JSP, My SQL, API 10-24, Retrofit, MVC, MVP Design Patterns, RxAndroid, CAN, Protobuf, POSTgres, Guava, Junit.

TOOLS

Android Studio v2.3, Unity 3D, SketchUp, Play Canvas, Eclipse, Visual Studio, PHPMyAdmin, IntelliJ IDE, Gerrit, Maven, Jenkins, Thrift, Polorion.

Experience

ANDROID DEVELOPER | CNH INDUSTRIALS | JANUARY 2017 – TILL DATE

- Design and development of android application using **maven** build system and implemented various 3rd party plugins for integration of **Proguard** and **Multidex**.
- Involved in all phases of SDLC of a project from client meeting, requirement gathering, whole designing & development of product followed by testing, deployment & maintenance.
- Converted existing projects into **MVP** clean architecture and implemented **Dagger** dependency injection for few possible projects.
- Worked actively in **conversion** of multiple android projects from maven platform to **gradle** with custom Proguard and Multidex rules.
- Design and build of advanced applications for the Android platform right from **hardware level** like **USB** data reading
- Development of native **shared libraries** for both Android **ARM** devices and **Linux** based devices.
- Implemented **JNI** for communication of existing java code with **NDK** based android native libraries.
- Implemented communication with CAN manager and device using Apache **Thrift protocol** and listening to message signals in reactive way using **RxAndroid**.
- Implemented **custom views** and written shadow classes for those custom views for **Robolectric** testing
- Performed various unit tests and Robolectric testing of code for robustness, including edge cases, usability, and general reliability

Environment: Java, C++, JNI, git, ApacheThrift, Gerrit, Maven, RxAndroid, Dagger, Thrift, Polarion, Guava, maven CMAKE, maven NDK, Junit, Robolectric.

VIRTUAL REALITY DEVELOPER | EAGLE CREEK SOFTWARE SERVICES | APRIL 2016 – DECEMBER 2016

- Development of **VR** based Android **application** using **Unity 3D**, Sketch Up and Playcanvas.
- Designing **360-degree** view of floor plans and construction designs and appending them into android application.
- Developed **Proprioception vision** (for Gear VR and Oculus), **Peripheral vision** (for Cardboard) for UI interactions using Unity3D.
- Implementation of Google **VR SDK**, Async loading of 360-degree files and integration of VR objects into android applications.
- Involved in integration of **Augmented Reality** into existing android application to demo the outer 3D view using **Vuforia 5**.

- Implementation of head tracking, stereo rendering, FOV, Interaction with Canvas UI and First person shooter object interaction.
- Implemented google **GSON** and **Retrofit** to retrieve JSON data from web service and **deserialize** objects.
- Implemented various 3rd party libraries like **ButterKnife** and **Dagger** for view and object injections.
- Performed unite testing using **Junit** and **Mockito** and UI testing using **Espresso**.

Environment: Java, C#, Dagger, ButterKnife, REST, JSON, React JS, Java Script, git, Google VRSDK, Oculus SDK, Unity, RxAndroid, Retrofit, Picasso, Junit, Espresso.

JAVA DEVELOPER | VOXVILLA LLC | AUGUST 2015 – JANUARY 2016

- Involved in the **Full Life cycle** of the project, i.e. Requirements gathering, and in implementing OOAD using UML.
- Developed JSP, **Servlets** and Struts Framework for front-end design and page flows for **voice based website**.
- Solving technical and developing new features within the website.
- Using **REST API** services to retrieve data in JSON format and parsing received data to get the required information.
- Developed and maintained numerous Stored Procedures and Triggers using **PgAdmin** as a **database** storage.
- Used various Java and J2EE APIs including JDBC, XML, servlets, JSP, JavaBeans.
- Delivered a complete front end responsive web application using **Angular JS** and **Bootstrap**.
- Involved in debugging and **Bug fixing**. Participated in Code reviews and peer reviews. Prepared **unit test** conditions and conducted Unit testing of components.

Environment: Java, JSP, Servlets, Oracle WebLogic, Hibernate, REST, Web services, JSON, HTML, CSS, Java Script, UML, Agile Methodology, PGAdmin, three.js, Angular JS, Bootstrap.

INTERACTIVE MOBILE DEVELOPER | ECHIDNA TECHNOLOGIES | OCTOBER 2012 – JUNE 2014

- Implementation of android applications using Eclipse IDE and Android SDK right from API 11 – API 17
- Worked closely with the web application development team to ensure proper integration between mobile application and web application.
- Responsible for implementation of REST services, getting a JSON response and parsing them to get the required information.
- Implemented Dialog Fragment to share the product with their friends and family.
- Worked with the team responsible for OAuth Login integration into application.
- Used GoogleApiClient and inbuilt location services for finding user updated location for navigation.
- Used Google Play Developer Console for apk distribution during Beta testing.
- Mostly involved with team that's responsible for development of Android applications
- Distribution of deployed apk files to play store and testing for various device compatibilities. Used Google Play Developer Console for apk distribution during Beta testing.

Environment: Android Studio, REST, Angular JS, Java Script, Agile Methodology, Singleton, MVP Architecture, Dagger Dependency Injection, Retrofit.

Work Samples

GPS Route Finder: <https://play.google.com/store/apps/details?id=com.onexsofttech.gpsroutefinder>

MRP Fashion App: <https://play.google.com/store/apps/details?id=za.com.mrp&hl=en>

Indian Rail PNR Enquiry & Live: <https://play.google.com/store/apps/details?id=in.erail.m>

Social Networking Links

LinkedIn: <https://www.linkedin.com/in/rajesh-raje-296742126>

GitHub: <https://github.com/kanakamedala-rajesh>

Website: <https://rajesh.venkatasudha.com/>

Microsoft Certification Profile: <http://www.mycertprofile.com/Profile/9877719736>