

# Ravi Pradeep

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## Summary

Currently a Senior Backend Architect at **Microsoft** .I am a self motivated coder at heart with almost 8 years of experience in software design ,development and integration .I like to work in a dynamic fast faced environment where I will be making difference for the company and also a very good learning experience for self. I have led teams from the front and brought the best in people .

## Experience

### SENIOR ENGINEER SDE 3 | MICROSOFT INDIA R&D –TEAM LEAD/ARCHITECT

- APRIL 2017 –Present
- Currently working with Work place analytics team where we provide detailed insights into O365 data to enhance productivity across organization.Responsibilities include leading a team of 4 -8 people depending on project requirements.  
Creating the graph framework to be used for insights where connections in outlook are stored as
  - Edges in Azure data lake storage .
  - Designing a framework where we are using spark and graphX to create this graph from the edges
  - Stored and running algorithms like dijkashtra’s on top of this .
  - Oozie is used for running spark jobs in the cluster.
- Technologies
  - Used :Spark,Java,Scala,ASP.NET,C# ,NoSql,GraphX,Oozie,Apache Spark,I am worked on creating a Personalization Frame Work where I am leading a team of 4 people which will be used by end users for storing their personal settings for storing and retrieving the personal data.  
Technologies Used : Azure data Lake, .NET , C# ,NOSQL  
<https://products.office.com/en-in/business/workplace-analytics>
- Lead a team of four people to implement Outlook addin store in web .This was released to our all outlook customers .

Skype Lite--

Created the complete new chat UI , Refactored everything around contact sync framework for a much Better integration with Microsoft account, image caching and reusability of profile pictures.Also Led a team of 5 engineers working on the same product ,in this time the downloads went up from 400k to a million users.

### SPECIALIST ENGINEER | HIKE MESSENGET | MARCH 2015-APR 2017

Backend : Worked on creating friend recommendation in hike where friends are recommended based On user and user’s friend contact book. Technologies Used :Spark

Implemented Android Material Design in Hike Application where i focussed mainly on UI features which was lauded by our 100 million users.

- Implemented the whole Notification architecture in Hike Application to support different type of notifications of bots,status update,news ,messages,rich notifications, which involved extensive usage of software design patterns to keep the code modularized and easily extendible and followed best software practices.Software Design patterns used Strategy,Composite,Factory,Builder,Facade,Singleton,Command,State
- Shipped many features like badge count ,message information,regional keyboard which involved writing most optimized code for performance with minimum time and space complexities .Technologies Used :Core Java ,Multithreading,Software Design patterns
- Worked in core chat team where I led a team of 5 persons developing awesome features for the next generation.

## **LEAD ENGINEER | SAMSUNG INDIA R&D DEC2010- DEC 2014**

- App of Apps 2014 Designed and developed a application management application which can schedule actions from apps .It works as an advanced scheduler to connect and control all of the apps and home appliances in one place.It allows user to perform actions on the basis of events like meetings .It involved extensive software designing and algorithmic efficiency for it to scale across wide variety of applications.Technology Used : Core Java , Multithreading,Software Design Patterns
- Contacts Application 2014 Designed and Implemented the Video calling feature in flagship models .It involves extensive Android Development and designing related to complex polling mechanism from the server.Design Patterns Used :Factory,Observer,Adapter,Decorator,Chain of Responsibility,Proxy,MVC GOT Application(2011) I took initiative to develop an Android Application to automate the device firmware upgrade stress testing.This application eliminated the manual testing effort and testing became easier and more effective.The application also provided a detailed analysis of the upgrade and also included other utilities like time analysis and success and failure report.I developed the application so that both the time complexity and space complexity was most efficient.Technology Used : Core Java, Android Design Patterns Used :Factory,Observer,Adapter
- Hidden Menu Application (2013) Developed Hidden Menu for High End Android Devices at Samsung Head Quarters, Suwon, South Korea which involves several different applications, each of them being launched with a particular keystring.This involves extensive Android Application Development and Designing.Technology Used : Core Java, Android
- Kids Framework Application design (2014) Designed and developed application which presents a new UI to a user who is kid parents can control the activity when the device is in Kids mode.Technology Used
- Core Java,

## **Skills & Abilities**

- Distributed System Design

- Data Structures and Algorithms
  - Android Application Development
  - Azure,
  - Software Design
- NOSQL

Languages : Java,C#,Typescript,

## Education

### **IIIT ALLAHABAD | 2006-2010 |**

- Bachelor of Technology in Electronics and Communication Engineering
- C.GPA 7.44/10

AISSCE CBSE 81%

AISCE CBSE 89.2%