## Anilkumar Kottisa

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## Career Objective

To find a challenging position to meet my competencies, capabilities, skills, education and experience

## Summary

* 11 years of IT experience in **Big data**, Big Data Analytics, Software development and Configuration Management.
* Currently working in **Standard Chartered Bank** as Big data Design Manager from May-2016 to till date.
* I have worked in ICICI Bank through **3i Infotech LTD**, Hyderabad as a Hadoop Technical Lead from April-2015 to April-2016.
* I have worked in **UnitedHealth Group** from Aug 2011 to Mar 2015 and previously worked at **Verizon** in Hyderabad from Jun' 2008 – Jul 2011.
* Certified in Hadoop Technology from **Cloudera.**
* Completed course and Certified on Predictive Analytics from **IIT – Hyderabad**
* Experience in working with Hadoop Frameworks in SCB (Ingestion the data to Hive and Extraction the data).
* Exposure in Big Data (Hadoop) projects with **R-Hadoop** Modeling, Data querying on Hive, PIG, Map Reduce, HDFS, Sqoop, Flume, Presto, Tableau, Kylin and Presto.
* Experience in developing REST API for Tableau and Kylin for different use cases.
* Experience in changing the open source code as per client requirement.
* Experience in working various Datawarehouse ETL projects
* Have Good Understanding on **Hadoop Ecosystem.**
* Have worked on **Map Reduce, PIG, Hive, HDFS, Sqoop, Flume, Spark, Scala, Tableau, Kylin.**
* Have worked on **Installation of Apache Hadoop System**.
* **Integrated R with Hadoop** using Revolution Analytics packages (rmr2, rhdfs) and implemented different DM techniques.
* Have worked on **HP Vertica, Distributed R.**
* Good knowledge in **JAVA, ORACLE, SQL** and **UNIX**.
* Experience in managing the versions using CVS and Subversion (TortoiseSVN).
* Extensive Domain & Technical Expertise in BFS.
* Conversant with different Quality models Six-sigma, ITIL, CMMi, SOX compliance.
* Possess excellent problem resolution skills, good customer relationship, management skills, and verbal & written communication skills.
* Highly motivated, enthusiastic, thorough team player and inclination to any kind of projects and clients.

## Education Profile

* Bachelor of Technology (B.Tech) passed with distinction (75.49%) – VITAM College of Engineering, JNTU, Visakhapatnam, Andhra Pradesh.

## Professional Profile

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| ***Organization*** | ***Designation*** | ***Duration*** |
| **SCB,** Singapore | Big Data Design Manager | May `16 – till date |
| **3i Infotech LTD,** Hyderabad | Technical Lead | Apr `15 – Apr `16 |
| **UHG**, Hyderabad | Sr. Software Engineer | Aug `11 – Mar `15 |
| **Verizon**, Hyderabad. | Software Engineer, Analyst | Jun `08 – Jul `11 |

## Skill Profile

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| Operating Systems  Languages  RDBMS  Column Database  Big Data Technologies  Analytics  Application Servers  SCM Tools  Build Tools  Testing Tools  Other Tools | UNIX, LINUX, AIX, Windows' NT(AS/400),XP & 7  C, Java, Scala.  My Sql, Oracle and H2.  HP Vertica 7.1  Hadoop, Map Reduce, HDFS, PIG, Hive, Sqoop, Flume, Tableau, Presto, Kylin, Spark.  R and XL.  Web Logic 7.0, Web Sphere 5.0.  CVS, Subversion 1.7.2, GIT  Maven 2.2.1, Ant 1.7.2  HP QC, BMC Remedy, TeamTrack  Eclipse IDE, RSA, VMware, TortoiseSVN, SSH, Putty |

## Certifications & Awards

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| * Got the Sustaining Edge Award for the work on Hadoop POC during year 2013 -2014. * Received STAR Awards from UHG during year 2011 and 2012. * “**Best performer Award**” from Verizon during year 2008 and 2010 * **“U Deserve Award “**from Verizon during year 2009. | * **SCJP 1.5** certified professional. * CCDH-410 certified professional. * **ITIL** certified professional * **Six-sigma** greenbelt certified. * **“Best Employee award”** from SCB during year 2017 |

## Projects Profile

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| *1.* | **Compliance And Risk Hadoop Storage** |
| *Client* | **Standard Chartered Bank** |
| *Organization* | SCB, Singapore |
| *Environment* | Hadoop, HDFS, MapReduce, Hive, Unix, Tableau, Talend Framework |
| *Database* | Hive, Presto |
| *Program Tools* | Eclipse, DB visualizer, Ingestion and Extraction Hadoop Framework |
| *Distribution System* | Hortonworks 2.3 |
| *Hardware* | Commodity Enterprise Servers |

***Description:***

* *Transforming the data from different TP systems (EBBS,CCMS) to HDP*
* *Generate Report out of end data lake for User validation using Tableau.*
* *Writing REST API for different use cases across risk and finance projects.*
* *Designing efficient Kylin cube for customer usage*

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| *2.* | **Credit Risk Reporting** |
| *Client* | **Standard Chartered Bank** |
| *Organization* | SCB, Singapore |
| *Environment* | Hadoop, HDFS, MapReduce, Hive, Unix, Tableau, Presto |
| *Database* | Hive, Presto |
| *Program Tools* | Eclipse, DB visualizer, Ingestion and Extraction Hadoop Framework |
| *Distribution System* | Hortonworks 2.3 |
| *Hardware* | Commodity Enterprise Servers |

***Description:***

* *Defining Big Data solutions - understanding client use cases and workflows and translate them into engineering deliverables.*
* *Assisting in the development of technical design documents.*
* *Build highly complex enhancements and resolve complex bugs*

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| *3.* | **Gen -2 Big Data enabled , DWH Project - Sybase IQ to Vertica Migration** |
| *Client* | **ICICI BANK** |
| *Organization* | 3i Infotech LTD, Hyderabad |
| *Environment* | Hadoop, MAPR- FS, MapReduce,Pig, Hive, Impala, Unix, Java UDX |
| *Database* | HP Vertica 7.1, Sybase IQ 16 |
| *Program Tools* | Eclipse, Query Surge, I-Spiral, DB visualizer |
| *Distribution System* | MapR 4.0.1, Hadoop – 2.5.1 |
| *Hardware* | Commodity Enterprise Servers |

***Description:***

ICICI bank’s generation 2 big data enabled DWH projects, a conversion from Sybase IQ to HP Vertica (a column oriented analytical database). Anil is a Technical Lead for this project. His roles and responsibilities include;

* *Defining Big Data solutions - understanding client use cases and workflows and translate them into engineering deliverables.*
* *Assisting in the development of technical design documents.*
* *Build highly complex enhancements and resolve complex bugs*

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| *4.* | **Google Analytics using Hadoop** |
| *Client* | **ICICI BANK** |
| *Organization* | 3i Infotech LTD, Hyderabad |
| *Environment* | Hadoop, MAPR- FS, Pig, Hive, Unix, Informatica 9.6.1,Java, HP Vertica |
| *Distribution System* | MapR 4.0.1, Hadoop – 2.5.1 |
| *Hardware* | Commodity Enterprise Servers |

***Description:***

The purpose of the project is to store the Google Analytics data in Hadoop based on Intraday. We have BANK account for Google Analytics dash board. It provides the information of sessions, page views, user demographic information etc., Instead of manually download the report from Google dash board, we have developed java program to generated the report based on preference and stored in Hive for analysis.

* *Developed the reports using google API using Java and stored it in Hadoop Hive tables. .*
* *Analyzing the customer demographic information using Hadoop.*

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| *5.* | **Log Analysis using Hadoop** |
| *Client* | **ICICI BANK** |
| *Organization* | 3i Infotech LTD, Hyderabad |
| *Environment* | Hadoop, MAPR- FS, Pig, Hive, Impala, Unix, Java, HP Vertica |
| *Distribution System* | MapR 4.0.1, Hadoop – 2.5.1 |
| *Hardware* | Commodity Enterprise Servers |

***Description:***

The purpose of the project is to store terabytes of application logs in MapRFS. We have connected different source systems through Hadoop and analyzed the logs .

* *Developed the Mapreduce jobs to process the log files.*
* *Developed the shell scripts to fine tune the log file and stored it in Vertica.*

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| *6.* | **Hadoop HL7 Use Case.** |
| *Client* | **UHG** |
| *Organization* | UnitedHealth Information Services, Hyderabad |
| *Environment* | Hadoop, HDFS, Pig, Hive, Sqoop, Java, Unix, Oracle |
| *Hardware* | Cloudera Hadoop distribution with 5-node cluster. |

***Description:***

The purpose of the project is to store terabytes of HL7 log information generated by the united health care claims and extract meaning information out of it. The solution is based on the open source BigData s/w Hadoop .The data will be stored in Hadoop file system and processed using Pig scripts.

* *Moved all HL7 messaging format flat files generated to HDFS for further processing*.
* *Written the Apache PIG scripts to process the HDFS data.*
* *Created Hive tables to store the processed results in a tabular format.*
* *Developed the Unix shell scripts for creating the reports from Hive data.*
* *Completely involved in the requirement analysis phase.*

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| *7.* | |  | | --- | | **CPS DAaaS (Data Analytics as a Service) using Hadoop.** | | |
| *Client* | | **UHG** |
| *Organization* | | UnitedHealth Information Services, Hyderabad |
| *Environment* | | Hadoop, HDFS, Hive, Sqoop, Java, Unix, Oracle |
| *Hardware* | | Cloudera Hadoop distribution with 5-node cluster |

***Description:***

In Ingenix, Customer analytics and analysis request cannot be fulfilled in allotted timeframe. It is taking typically 1day. There are 4.2 billion rows across 20 tables ~ 600GB. Complex SQL query joining 20 tables. SAS failed after 20K rows. Leveraged DAaaS platform and Extracted 4.2 Billion records / 600 GB using sqoop and loaded the Data into Cloudera Distribution. Using Hive, executed queries with multiple Joins and provided Visualizations using Tableau.

* *4.2 billion records, flatten into 6 files in HDFS*
* *Converted into Hive QL with optimizations( into 6tables )*
* *Unchanged query completes in 18hrs and optimized query executes in ~ 47min.*
* *Results stored in a Data Lake, available for additional use cases for analysis.*

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| *8.* | **Text Analytics using R Hadoop** |
| ***Client*** | **UHG** |
| ***Organization*** | UnitedHealth Information Services, Hyderabad |
| ***Distributions*** | Apache Hadoop |
| ***Tools*** | R, RHadoop, Rhdfs, Rmr2, Map Reduce, HDFS, Hive, Sqoop |
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***Description:***

Monthly key Member Indicator (KMI) survey contains several questions to identify the member’s degree of satisfaction with respect to benefit plan and services. Member also provides their response in free-flow text. We calculated the sentiment score. This is monthly exercise and data is quite huge which grows with increasing member-base and period. Performed Text Mining and on this text based descriptive data to retrieve the member’s pleasure/pain points.

* Understanding the Business requirements and translating them to technical specifications
* Worked with complex data and find the patterns, insights by using R and other techniques.
* Design and develop statistical models based on the operating needs of the organization.
* Use coding & programming techniques, quantitative analysis, data mining techniques, modeling to find solutions by analyzing Big Data
* Providing Assistance at all stages Validation of Model.

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| *9.* | **M&R Portal, COMPAS, GPS applications** |
| *Client* | **UHG** |
| *Team size* | 5 Onsite + 10 Offshore |
| *Environment* | AHP, Java, Linux, SVN, ITG (Web based tool for doing build packaging), HP QC, TeamTrack |

***Description/Responsibilities:***

* Responsibility with technical architects for advising on branching strategy. Also responsible for management, ownership and maintenance and merging of branches
* Developed the each release enhancements using Java.

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| *10.* | **iVapp** |
| *Client* | Verizon Communication Inc, US. |
| *Team size* | 8 [across India & US] |
| *Technology* | Java, Jsp, Linux, CVS, Javascript, XML, DB2, Eclipse IDE, iPM (Web based tool for doing build packaging), Remedy. |

***Business Value/ Impact:***  *“iVAPP” .This is a very Big Telecom Project .Verizon is one of the Top companies in Telecom. Verizon Provides Data/Voice/Video Service to US customer .This Project is for "Provisioning" task that means "End to End Path assignment from Verizon Central office to customer house”. I have worked on 8-9 Major Release of this Project. This is a web application developed using Jsp and Servlets.Project is divided into 10 modules .In our module we are 8 members team. I am one of the main POC from India. I am working as software engineer in java technology...*

## Personal Profile

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| Name | Anil Kumar Kottisa |
| Father's Name | Sri K. Rama Krishna Swamy |
| Date of Birth | 10-07-1986 |
| Marital Status | Married |
| Passport No | P3357590 (Expiry date : 25/09/2026) |
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**References:** Available upon request