**P.N.Kalyan Chakravarthy**

**Senior Hadoop Consultant**

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##### Objective

To use my ability to work in any environment. I am self-motivated and able to work both independently and as collaborative team member. To obtain a position where I can maximize my organizational and interpersonal skills and knowledge which will contribute my years of experience that will allow me to grow personally and professionally.

##### Profile

A dedicated & dynamic IT Professional with 7+ years of hands on technical experience & expertize as a solution developer / lead using Cloud / Internet/Intranet and client/server technologies with consistent and continuing contributions in various key projects.

* Currently working on our big data infrastructure build out for batch processing as well as real-time processing.
* Worked on Hadoop,Spark,Nifi,Pig,kafka,Hive,Hbase,Scoop,Oozie,Flume,mssql,mysql and Oracle db customization for batch data platform setup and Realtime scenario’s.
* Capable of processing large sets of structured, semi-structured and unstructured data and supporting systems application architecture.
* Worked on Advanced concepts to always be ahead with the technology on every step.
* Quick learner and can adopt to any technologies.
* Team player with good listening skills and innovative ideas to make things better.
* Participated in the Legacy Optimization Program to re-platform the applications.

##### Education

* + **Redhat Certified** (RHCSA) System engineer.
  + **MBA** from Sikkim Manipal University
  + **B.Tech (Electronics and Communication)** from RMK ENGINEERING COLLEGE, (Anna university)
  + **12th** from ST. Aloysius college (Karnataka board) Mangalore 2004
  + **10th** from NITK School (Karnataka board) Surathkal 2002

##### Work Experience

* Currently Working with “MSR COSMOS” as Senior Hadoop Consultant from 18/09/2015
* Worked with “Wipro” as Senior Project Engineer” from 16/01/2015 to 15/07/2015
* Worked with “Media Nucleus” as a Senior Software Engineer from 25/11/2013 to 15/06/ 2014
* Worked with “Reliance Media works” as a Software engineer from 17/11/2010 to 03/11/2013
* Worked with “EFX” as junior engineer from 20/02/2009 to 15/11/2010

##### Profile Overview

* **Hands-on experience in following:**
* **Big Data Ecosystems**: Hadoop Architecture, Data Science,MapReduce,Spark, Nifi,HDFS, HBase, Zookeeper, Hive, Pig, Sqoop, Cassandra, Oozie, Flume,kafka,Regular expressions for log parsing and Grok parsing.
* **Programming languages**:Java,python,Scala
* **Web Scripting languages**: - HTML,Java, CSS, Java Script, jQuery,Json,xml
* **Databases**:mysql,mssql,oracle db
* **Operating Systems**:Windows,Linux,Mac.

##### Key Expertise

Worked on recommended platform based on content and collaboration models.

• Worked on Apache Nifi for creating a dataflow architecture from Oracledb to Hadoop Ecosystem

• Analyzed large data sets by running Hive queries and Pig scripts

• Wrote various Regular expressions for Different logs parsing and log data handling.

• Worked with the Data Science team to gather requirements for various data mining projects

• Administer and Maintained Hadoop cluster, monitored logs

• Involved in creating Hive tables and loading and analyzing data using hive queries

• Involved in Hive Optimizations using Bucketing, Partitioning, ORC formats.

• Developed Simple to complex Map Reduce Jobs using Hive and Pig

• Involved in running Hadoop jobs for processing millions of records of data

• Worked with application teams to install operating system, Hadoop updates, patches, version upgrades as required

• Developed multiple Map Reduce jobs in java for data cleaning and preprocessing

• Involved in loading data into HDFS, Responsible for managing data from multiple sources

• Extracted files from different databases through Sqoop and placed in HDFS and processed

• Experienced in running Hadoop streaming jobs to process terabytes of xml format data

• Load and transform large sets of structured, semi structured and unstructured data

• Responsible to manage data coming from different sources

• Assisted in exporting analyzed data to relational databases using Sqoop

• Worked on Several Poc’s for Kafka, Storm, and Spark integration with Hadoop.

• Created and maintained Technical documentation for launching HADOOP Clusters and for executing Hive queries and Pig Scripts

• Environment: Hadoop, CDH5, HDFS, Pig, Hive, MapReduce, Sqoop, LINUX, and Big Data

##### Projects

**Workflow Change from OLTP to NOSQL database Using Hadoop Ecosystem And Spark:** OLTP database workflow is changed to Hadoop Ecosystem as the data could not be handled by OLTP data base.Used NoSQL database HBase and Hive with Spark for faster data retrieval. The use of above workflow solved the daily update problems and huge data handling faster. Integrated the data with Tableau Server.

**Role:** Designed the architecture of Hadoop ecosystem according to client’s needs:

Sqooped the data from OLTP database to Hbase incrementally daily.

Integrated Hbase tables with Hive.

Integrated Hbase-Hive tables with Spark to get and analyze and process data faster.

**Migration and Analysis of Huge Data in HDP using Apache Nifi Automating the Hadoop workflows:**Integrated the dataflow from various sources like oracle Db,Log files and csv data files to create Hive tables using Apache Nifi.The tables are then used to create the analytic reports by aggregating the data based on the report needs to be used in SAS VA.

Tools Used:Apache Nifi,Hive,Sqoop

**Medical research on Huge data around the Globe Using Hadoop environment :** New Big data Architecture design and development for existing data warehouse

Oracle dB data migration into Hadoop cluster on incremental basis daily. Keeping the history table and staging tables and creating aggregation and analytic data to be given as output to SAS VA

**Role:** Coding and implementing the initial workflow and using Hadoop tools like hive and pig according to client’s hardware and software support based on number of nodes, clusters and type of distribution (Cloudera, Mapr, Hortonworks).

**Data Migration and Analysis In Hadoop Environment:**

The sales from this company has a certain downfall year by year and they needed to analyze what has made people to go for other competitors and what were they lagging with respect to others.

* Involved in transferring files from OLTP server to Hadoop file system using Sqoop
* Involved in writing queries with HiveQL and Pig.
* Involved in Hive Optimization using Partitions, Bucketing, ORC format
* Worked with Avro files in hive
* Importing and Exporting Data from MySQL to HiveQL.
* Importing Data to Hbase using Sqoop
* Integrating the Hbase tables with Hive for faster queries
* Wrote MapReduce programs in java for customized files.
* Importing and Exporting Data from HiveQL to HDFS.
* Preparing the filtered data ready for business analysis in text format and some data back to MySQL database in a separate table for Analysis as per the requirement using Sqoop

Environment: Hadoop, Map Reduce, HDFS, Hive, Sqoop, Pig

**Drug and its usage analysis:**

The pharmaceutical company has to know how the drugs are working on the patients and the advantages and disadvantages over its competitors. How the drug is working on patients at regular intervals of timeframe.

* Installed and configured Apache Hadoop, Hive, and HBase.
* Converted the given data into comma separated using Pig Latin
* Took all the data from hdfs and loaded it in Hbase tables.
* Integrated Hbase with Hive by creating tables.
* Used various joins In HiveQL to get required output against the data provided
* Individual reports were taken into separate Hive tables and exported to MySQL dB using Sqoop

Environment: Centos, Hadoop, Map Reduce, HDFS, Hive, Pig, Sqoop

**SMS software:**

SMS is a subscriber management system software recognized by government of India according to TRAI (Telecom Regulatory Authority of India) which provides services for controlling all the cable T.V networks to be operated based on one control through the software wherein from billing, activation, deactivation, adding new subscriber, monthly reports will happen through this software integrated with the central cas server.

**Role:** Team Member

* Coding and integrating the product
* Database structuring ,Building the layouts

Environment: Java,Java script and jQuery, json, MySQL

www.meetons.com

It’s a web based service used for making local connections based on the city they live on. Used for business and making new connections as per the purpose.

Team Lead

* Coding and integrating the product
* Database structuring ,Building the layouts

**Roles & Responsibilities:**

* Worked on Real-time production Projects with Hadoop Ecosystem and using different tools as per required.
* Delivered successful Architectural designs to clients as per their clusters and requirements.
* Handled the database structuring from start.
* Worked in more than 4 Big data projects from scratch.

**Personal Details**

Sex Male

Date of Birth 26-04-1987

Marital Status Married

Nationality India

**DECLARATION**:

I do hereby declare that the information stated above is true to the best of my knowledge.

Date: 14-Apr-2017

Place: Hyderabad  (Kalyan)