**Prashant Gupta**

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**OBJECTIVE**

A dedicated Senior Level Hadoop with proven experience, with an emphasis on large secure data systems and larger environments.

**PROFILE SUMMARY**

* Overall **6** years of IT experience, as a Hadoop administrator and Pentaho BI Tool and MySQL.
* Having **3.1** years of hands on experience as a Hadoop Administrator in **MapR and Hortonworks**
* Hands on experience on ecosystem components **Hive, Sqoop, Pig, HBase, Oozie, Zookeeper, Ranger, Kerberos and MapReduce.**
* Hands on experience in installation, configuration, supporting and managing Hadoop Clusters.
* Decommissioning and commissioning the Node on running Hadoop cluster.
* Expertise in HDFS Architecture and Cluster Concepts.
* Installation of various Hadoop Ecosystems and Hadoop Daemons.
* Rebalancing the Hadoop Cluster.
* Hands on experience on Hadoop Security in **Ranger and Kerberos.**
* Hands on experience on data transfer/migration across the clusters in Hortonworks.
* Hands on experience on mirroring a volume in MapR.
* Hands on experience on hive and hbase data migration.
* Expertise in Cluster Installation for POC, Dev, Staging and Production environment
* Troubleshooting, diagnosing, tuning and solving the Hadoop issues.
* Worked on **importing and exporting** data from **MySQL databases into HDFS** and **Hive** using **Sqoop**

# Involved in Hive table creation, partitioning and bucketing of tables

* Written **Hive queries (HQL)** for data analysis to meet the **business requirements**
* Sound knowledge of **Relational Database Management System (RDBMS)**
* Hands on experience in Reporting and Dashboard tool like **Pentaho BI Tool**
* Good Knowledge in Amazon AWS concepts like **EC2 web services** which provides fast and efficient processing
* Adequate knowledge and working experience in **agile methodologies**
* Ability to play a key role in the team and communicates across the team.

**PROFESSIONAL SUMMARY**

* + Working with **TCS Pvt Ltd, Bangalore** as **IT Analyst from May 2019 to Till Now.**

# Worked with HCL infosystems Ltd, Bangalore, as Senior System Engineer from June 2018 to April 2019.

* + Worked with **Baryons Software Solutions Pvt Ltd, Bangalore** as **Software Engineer from Oct 2014 to May 2018**

**TECHNICAL EXPERTISE**

* + **Operating Systems:** Centos And RHEL
	+ **Relational DBMS:** MySQL
	+ **Hadoop Distributions:** MAPR, Hortonwork.
	+ **Cloud Platforms:** Amazon Web Services (AWS).
	+ **MapReduce/Hadoop Ecosystem:** Hadoop, HDFS, Sqoop, Hive, Hbase, Oozie, Pig, Ranger, Kerberos
	+ **Ticketing Tools:** Service Now, JIRA,HPSM

# Change Management Tool: HPSM

* + **Reporting tools**: Pentaho BI Tool

**EDUCATION SUMMARY**

* + B.E (Pass out 2013) from RGTU Bhopal.

**PROFESSIONAL EXPERIENCE**

# Project 1: HP Inc.

**Organization: TCS Pvt Ltd**

**Technologies: MapR, Hortonwork, hive, Hbase, Ranger, Sqoop, Kerberos.**

**Responsibilities:**

* + - Installed Hadoop Clusters for PROD, ITG, DEV and POC in MapR and Hortonworks.
		- Collaborated with multiple teams for design and implementation of Hadoop clusters

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Health and HDFS space for better performance.

* + - Responsible for disk repairing in cluster.
		- Rebalancing the Hadoop Cluster in Hortonworks.
		- Working on Name node high availability.
		- Allocating the name and space Quotas to the users in case of space problems as per the analysis in Grafana.
		- Installation of various Hadoop Ecosystems and Hadoop Daemons.
		- Involved in Installing and configuring Kerberos for the authentication of users and Hadoop daemons.
		- Implemented Kerberos integration with LDAP.
		- Implementing and troubleshooting SSH key based **password less authentication**.
		- Implemented scripts for Kerberos keytab generation.
		- Able to transfer the data across the cluster in Hortonworks.
		- Configured the mirroring setup in MapR cluster for data transfer.
		- Good knowledge on hive, hbase and oozie installation and DB configuration for the same.
		- **Installing** and **upgradation** of Packages and patches according to the client requirement.
		- **Changing file permissions** as per the client request.
		- Good exposure in coordinating with vendor related issues for all kinds of **hardware failures**.
		- Processes administration and Management like monitoring, start/stop/kill various process

# Project 2: UIDAI- Aadhar Organization: HCL infosystems Ltd

**Technologies: MAPR, Hdfs, Hive, MAPRDB, Oozie, Sqoop, Pig, Control Minder**

**Description:**

Unique identification project was initially conceived as an initiative that would provide Identification for each resident across the country and would be used primarily as the basis for Efficient delivery of welfare services.

# Responsibilities:

* + - * Cluster maintenance, commissioning & decommissioning data nodes.
			* Installation and configuration of MapR Hadoop cluster , Design & develop MapR DR setup, and manage data on MapR cluster
			* End-to-end performance tuning of MapR clusters and Hadoop Map/Reduce routines against very large data sets, working with MapR cluster along with MapR-Table(creation, import, export, scan, list)
			* Managing & monitoring cluster.
			* Performed data balancing on clusters
			* Applications PROD Support as roaster and Hadoop Platform Support.
			* Managing MFS cluster users (MAPR), permissions and Application users access.
			* Working on Name Node high availability customizing zookeeper services.
			* Improve speed, efficiency and scalability of the continuous integration environment
			* Managing quotas to Mapr File System.
			* Recovering from node failure and troubleshooting common hadoop cluster issues.
			* Responsible for Mapr File system data rebalancing.
			* Responsible for performing the backup and Restoration of data from MFS to SAN and Tapes as per Retention Policy.
			* Coordinating with team members for proper resolution of tickets
			* Checking daily jobs and space alerts
			* Manage and review Hadoop log files.
			* Troubleshooting day-to-day issues, such as login problems, network issues, permission issues.

# Project 3: Alcatel lucent (Network Analysis) Organization: Software Engineer (Hadoop Engineer)

**Technologies: Hortonwork, HDFS, Hive, Pig, Sqoop, Hbase, Pentaho BI, Mysql**

**Description:**

This project involves tracking network fault complaints from the customers. And also to examine information flows formally and informally within a customer complaint handling process, and to identify possible improvement areas to strengthen the network signal.

Data in the MYSQL database is transformed loaded into HDFS. Later this data is analyzed using Hive that exposes data in HDFS in a Distributed Query enabled platform. Sqoop is used to extract data from internal structured data stores and load into HDFS. Data volumes range in Gigabytes, which makes it challenging for regular analytics platform

# Responsibilities:

* + - * Working on data analysis in HDFS using Hive, PIG and Map Reduce jobs.
			* Involved in start to end process of **hadoop cluster setup where in installation, configuration and monitoring the Hadoop Cluster**.
			* Experienced in managing and reviewing Hadoop log files.
			* Involved in Installing and configuring Kerberos for the authentication of users and hadoop daemons.
			* Involving in developing the Hive Reports.
			* Monitoring and managing the Hadoop cluster through Hortonwork.
			* Working on setting up Hadoop multi node clusters, pig, Hive using Ambari.
			* Using Sqoop extensively to import data from RDMS sources into HDFS. Performed transformations, cleaning and filtering on imported data using Hive and loaded final data into HDFS.
			* Involving in creating external table, partitioning, bucketing of table.
			* Defined complex workflows using OOZIE.
			* Extracting Hive query o/p to local file system in text/csv format.
			* Responsible for creation and setting up of environment and re-configuration activities
			* Created reports for the BI team using Sqoop to export data into HDFS and Hive.
			* Analyzed the applications issues which are reported by production support team/business users and provide the solution for bug fix.

# Project 3: Exigent (Chameleon Post SignOff)

**Organization: Software Engineer**

**Technologies: Java, Pentaho BI, Mysql, Apache Hadoop, JIRA,**

**Description:**

Exigent has a software product roadmap to build a Contract Management product that can be implemented both on-cloud and on-premise for Exigent’s customers.

# Responsibilities:

* + - * Load the processed data from each upstream application to HDFS via SQOOP
			* Experience in analysing structured data using HIVE, PIG
			* Involving in developing the Hive Reports.
			* Monitoring and managing the Hadoop cluster through Ambari.
			* Working on setting up Hadoop multi node clusters, pig, Hive and Hbase using Ambari.
			* Using Sqoop extensively to import data from RDMS sources into HDFS.
			* Performed transformations, cleaning and filtering on imported data using Hive and loaded final data into HDFS.
			* Involving in creating external table, partitioning, bucketing of table.
			* Responsible for creation and setting up of environment and re-configuration activities
			* Created reports for the BI team using Sqoop to export data into HDFS and Hive.

I hereby declare that all the information furnished above is true to the best of my knowledge. Prashant Gupta