**Nagendra Kumar**

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**Professional Summary:**

* 6+ years of experience in development and implementations of technology systems,**Hadoop Administration and Linux Administration.**
* Experience in using various **Hadoop components** and **Hadoop Eco-system**.
* Experience in deploying and managing the Hadoop cluster using **AWS, Cloudera Manager** and **Apache Ambari**.
* Involved in Hadoop Cluster environment administration tasks includes adding and removing cluster nodes, cluster capacity planning, performance tuning, cluster monitoring, Troubleshooting, account maintenance, backup & recovery.
* Excellent understanding of Hadoop Cluster security and implemented secure Hadoop cluster using **Kerberos**.
* Setting up automated 24x7 monitoring and escalation infrastructure for Hadoop cluster using **Nagios** and **Ganglia**.
* Good knowledge on**Storm, Impala, Ranger, HDFS ACL’s, Capacity Scheduler, Fair Scheduler, High Availability**.
* Experience on working with VMware Workstation and Virtual Box.
* Upgrading and finalization of Hadoop MRV1 to MRV2.
* Monitoring System Performance, System and Network Security and Troubleshooting of RHEL, OEL 5.0/6.0 and Centos 6.0/7.0 Servers.
* Experience in Linux System Administration, Linux System Security.
* Experienced with LINUX Administration, EMC Storage Administration, Enterprise Hardware Troubleshooting and Capacity Planning.
* Expert in setting up SSH, SCP, SFTP connectivity between UNIX hosts.

**TECHNICAL SKILLS:**

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| **Hadoop/Big Data** | HDFS, MapReduce, Hive, Pig, Flume, HBase, Oozie, Zookeeper, Ambari, Cloudera, HDP,Hortonworks Data Flow (HDF) |
| **Languages** | C, HTML, Java Script, CSS |
| **Operating Systems** | Linux/Unix (Redhat 5,6,7), Ubuntu (12.04,14.04), CentOS, Windows NT/2003/2008, Windows 10 |
| **Scripting** | Shell script, Bash, Perl, Python |
| **Virtualization** | VMware, Virtual Box, Cygwin, PuTTY |
| **Devops/Cloud Tools** | AWS, Chef, Ansible, Docker, Puppet |
| **Monitoring Tools** | Nagios, Ganglia, Cacti |
| **Databases** | Oracle 10/11g, PL/SQL, MySQL, HBase, Mongo DB, Cassandra |
| **Protocols/ Services** | HTTP, HTTPS, SSL, DNS, SSH, SFTP, TCP/IP, FTP/SFTP |

**Client: Nationwide, Columbus, OH July 16 to till-date**

**Role:** **Hadoop Administrator**

**Responsibilities:**

* Currently working as Hadoop Admin and responsible for taking care of everything related to the clusters.
* Experienced on setting up Hortonworks cluster and installing all the ecosystem components through Ambari.
* Responsible for adding new eco-system components like spark, impala with required custom configurations based on the requirements.
* Handled importing of data from various data sources, performed transformations using Hive, MapReduce, loaded data into HDFS and Extracted the data from Postgres into HDFS using Sqoop.
* Responsible for cluster maintenance, commissioning and decommissioning Data nodes, Cluster Monitoring, Troubleshooting, Manage and review data backups, Manage & review Hadoop log files.
* Working experience on maintaining MySQL databases creation and setting up the users and maintain the backup of databases.
* Managed and reviewed Hadoop Log files as a part of administration for troubleshooting purposes. Communicate and escalate issues appropriately.

**Environment:** Hadoop, MapReduce, HDFS, HDP, Sqoop, Hive, Impala, Pig, PERL, Linux, XML, SQL Server, Oracle DB, Flume, Zookeeper, Spark, Kerberos.

**Client: Franklin Templeton, NY March 15 to July 16**

**Role:** **Hadoop Administrator**

**Responsibilities:**

* Responsible for maintaining the Hadoop cluster, **commissioning** and **decommissioning**.
* Responsible for managing and reviewing **data backups** and **handling log files.**
* Installed and Configured Hive, Pig and various components as per the requirement.
* Also, worked with developers to develop various Hive and Pig scripts.
* Involved in designing, implementing and administering large cluster with high availability and Hadoop cluster secured with Kerberos, using the **Cloudera Hadoop distribution**.
* Open tickets and troubleshoot cluster problems with support.
* Developed Python, Shell/Perl Scripts and Power shell for automation purpose.

**Environment:**  Hadoop, MapReduce, HDFS, Sqoop, Hive, Pig, Flume, Kafka, Zookeeper, Spark, Kerberos, Perl, Shell, Linux, SQL Server, Oracle.

**Client: Kotak Mahindra Bank, Hyderabad, India April 13 to Dec 14**

**Role:** **Hadoop Admin**

**Responsibilities:**

* Involved in Hadoop Cluster environment administration that includes cluster capacity planning, performance tuning, cluster Monitoring and Troubleshooting.
* Deployedand administered two Hadoop clusters with different platforms.
* Worked on developing Linux and bash scripts for Job Automation.
* Installed and configured the clusters using CDH & HDP.
* Responsible for capacity planning of cluster and hardware sizing.
* Continuous monitoring and managing the Hadoop cluster through Ganglia and Nagios.

**Environment:** HDFS, Map Reduce, HBase, Hive, Oozie, Pig, Sqoop, HBase, Shell Scripting, MySQL,Red Hat Linux, CentOS and other UNIX utilities, AWS, EC2, S3, Cloudera Manager, Hortonworks Platform.

**Client: Mindtree Limited, Hyderabad, India Feb 11 to April 13**

**Role: Network Support Engineer/ Linux/Unix Administrator**

**Responsibilities:**

* Responsible for administering large, multi-site UNIX/LINUX server environments and operating systems, software package installation.
* Involved in upgrades, system integrity, security and performance.
* Maintained Nagios and Cacti monitoring systems to ensure systems health and availability.
* Provided support and communicated with customers via phone and email.
* Support topics included but were not limited to upgrading and troubleshooting of customer installed software, troubleshooting and performance tuning of system services.
* On-Call rotation support 24x7 for various Production issues of various products and on call support on weekends.

**TRAININGS:**

* Attended Flow Management and Stream Processing on Modern, Self-Service Data-in-Motion Platform - HDF 3.0(NiFi).
* Attended Benefits of Transferring Real-time Data to Hadoop at Scale with IBM, Hortonworks and Attunity with Live Demo.
* Attended Global Data Management in a Multi-Cloud Hybrid World with Live Demo.

**EDUCATIONAL QUALIFICATIONS:**

* Masters in Engineering Management from Trine University.
* Bachelors of Technology-Jawaharlal Nehru Technological University, India.

**CERTIFICATIONS:**

Horton works Data Platform Certified Administrator (HDPCA)from Hortonworks.