**PROFESSIONAL SUMMARY**

* Over 8 years of Information Technology experience. Extensive experience in design, development and implementations of robust technology systems with specialized expertise in **Linux Administration** and **Data Management**. Able to understand business and technical requirements quickly, excellent communications skills and work ethics, Able to work independently.
* 3+ years of experience in **Hadoop Administration & Big Data Technologies** and 4+ years of experience into **Linux administration.**
* Experience with complete Software Design Lifecycle including design, development, testing and implementation of moderate to advanced complex systems.
* Hands on experience in **installation, configuration, supporting and managing Hadoop Clusters** using **Cloudera** and **Horton works**.
* Hadoop Cluster **capacity planning, performance tuning, cluster Monitoring, Troubleshooting**.
* Design Big Data solutions for traditional enterprise businesses.
* Backup configuration and Recovery from a Name Node failure.
* Excellent command in creating **Backups & Recovery and Disaster recovery** procedures and Implementing **Backup** and **Recovery** strategies for off-line and on-line Backups.
* Making Hadoop cluster ready for development team working on POCs.
* Have Good knowledge on Hadoop Ecosystems.
* Experience in **minor and major upgrades of Hadoop and Hadoop eco system**
* Experience monitoring and troubleshooting issues with Linux memory, CPU, OS, storage and network
* Hands on **experience in analyzing Log files for Hadoop and eco system services** and finding root cause.
* Experience on **Commissioning, Decommissioning, Balancing, and Managing Nodes** and tuning server for optimal performance of the cluster.
* As an admin involved in **Cluster maintenance, trouble shooting, Monitoring** and followed proper backup& Recovery strategies.
* Good Experience in setting up **the Linux environments, Password less SSH, Creating file systems, disabling firewalls, swappiness, Selinuxand installing Java.**
* Good Experience in **Planning, Installing and Configuring Hadoop Cluster in Cloudera and Horton works Distributions**
* Installing and configuring Hadoop eco system like **pig, hive**.
* Hands on experience in Installing, Configuring and managing the **Hue and HCatalog**.
* Experience in importing and exporting the data using **Sqoop** from HDFS to Relational Database systems/mainframe and vice-versa.
* Experience in importing and exporting the logs using **Flume**.
* Optimizing **performance of Hbase/Hive/Pig** jobs.
* Hands on experience in **Zookeeper and ZKFC** in managing and configuring in Name Node failure scenarios
* Handsome experience in **Linux admin activities on** RHEL&Cent OS.
* Experience in deploying Hadoop 2.0**(YARN).**
* Experience in Installation and configuration on spark.
* Diligently teaming with the infrastructure, network, database, application and business intelligence teams to guarantee high data quality and availability
* Effective problem solving skills and outstanding interpersonal skills. Ability to work independently as well as within a team environment. Driven to meet deadlines. Ability to learn and use new technologies quickly.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Hadoop Framework** | Hdfs, Map Reduce, Pig, Hive, Hbase, Sqoop, Zookeeper, Oozie, Hue, Kafka, Spark and Flume. |
| **NoSQL Databases** | Hbase |
| **Microsoft** | MS Office, MS Project, MS Visio, MS Visual Studio 2003/ 2005/ 2008 |
| **Databases** | MySQL, Oracle **8i/9i/10g**, SQL Server, PL/SQL Developer. |
| **Operating Systems** | Linux, Cent OS,RHEL,Windows2000/2003/2008/XP/Vista, |
| **Scripting** | Shell Scripting, HTML Scripting, puppet |
| **Programming** | C, C++, Core Java, PL/SQL. |
| **WEB Servers** | Apache Tomcat, JBOSS and Apache Http web server |
| **Cluster Management Tools** | HDP Ambari, Cloudera Manager |
| **IDE** | Net Beans, Eclipse, Visual Studio, Microsoft SQL Server, MS Office |

**Education:** Bachelor’s in Computer Science from Visvesvaraya University –May’09

**Certification:** Cloudera Certified Administrator for Apache Hadoop (CCAH)

**PROFESSIONAL EXPERIENCE**

**Hadoop Administrator**

**UPS, Atlanta, GA Jan2017–Present**

**Responsibilities:**

* Involved in start to end process of Hadoop cluster setup where in installation, configuration and monitoring the Hadoop Cluster in Horton Works and Cloudera.
* Responsible for Cluster maintenance, commissioning and decommissioning Data nodes, Cluster Monitoring, Troubleshooting, Manage and review data backups, Manage & review Hadoop log files.
* Monitoring systems and services, architecture design and implementation of Hadoop deployment, configuration management, backup, and disaster recovery systems and procedures.
* Experienced on adding/installation of new components and removal of them through Ambari.
* Experienced in Ambari-alerts configuration for various components and managing the alerts.
* Installation of various Hadoop Ecosystems and Hadoop Daemons.
* Responsible for Installation and configuration of Hive, Pig, HBase and Sqoop on the Hadoop cluster.
* Configured various property files like core-site.xml, hdfs-site.xml, mapred-site.xml based upon the job requirement.
* Involved in loading data from UNIX file system to HDFS.
* Experience in deploying versions of MRv1 and MRv2 (YARN).
* Provisioning, installing, configuring, monitoring, and maintaining HDFS, Yarn, HBase, Flume, Sqoop, Spark, Kafka, Oozie, Pig, Hive.
* Implemented Capacity schedulers on the Yarn Resource Manager to share the resources of the cluster for the Map Reduce jobs given by the users.
* Installation of various Hadoop Ecosystems like Hive, Pig, Hbase etc.
* Installed and configured Spark on multi node environment.
* Monitored multiple Hadoop clusters environments using Ganglia and Nagios. Monitored workload, job performance and capacity planning.
* Expertise in recommending hardware configuration for Hadoop cluster.
* Involved in designing and implementation of secure Hadoop cluster using Kerberos.
* Installing, Upgrading and Managing Hadoop Cluster on Cloudera distribution.
* Managing and reviewing Hadoop and HBase log files.
* Experience with UNIX or LINUX, including shell scripting.
* Loading the data from the different Data sources like (Teradata and DB2) into HDFS using Sqoop and load into Hive tables, which are partitioned.
* Built automated set up for cluster monitoring and issue escalation process.
* Administration, installing, upgrading and managing distributions of Hadoop (CDH3, CDH4, Cloudera manager), Hive, Hbase.

**Environment:** Hadoop, HDFS, Map Reduce, Shell Scripting, Spark, Pig, Hive, HBase, Sqoop, Flume, Oozie, Zoo keeper , Red hat Linux, Cloudera Manager.

**Hadoop Administrator**

**Net App, Wichita, KS. Oct2014-Dec2016**

**Responsibilities:**

* Worked as a Hadoop administrator with Cloudera distribution.
* Responsible for Cluster maintenance, Monitoring, commissioning and decommissioning Data nodes, Troubleshooting, Manage and review data backups, Manage &review log files.
* Day to day responsibilities includes solving developer issues, deployments moving code from one environment to other environment, providing access to new users and providing instant solutions to reduce the impact and documenting the same and preventing future issues.
* Thorough knowledge in distributed scheduling to interact with data in multiple ways using YARN.
* Hands on experience in Tuning YARN components to achieve high performance in Big Data Cluster.
* Architecture design and implementation of deployment, configuration management, backup, and disaster recovery systems and procedures.
* Hand on experience on cluster up gradation and patch upgrade without any data loss and with proper backup plans.
* Involved in designing and implementation of secure Hadoop cluster using Kerberos.
* Changing the configurations based on the requirements of the users for the better performance of the jobs.
* Provided security and authentication with ranger where ranger admin provides administration and user sync adds the new users to the cluster.
* Good troubleshooting skills on Hue, which provides GUI for developers/business users for day to day activities.
* Setup flume for different sources to bring the log messages from outside to Hadoop Hdfs.
* Implemented Name Node HA in all environments to provide high availability of clusters.
* Capacity scheduler implementation in all environments to provide resources based on the allocation.
* Create queues and allocated the clusters resources to provide the priority for jobs.
* Experienced in Setting up the project and volume setups for the new projects.
* Involved in snapshots and mirroring to maintain the backup of cluster data and even remotely.
* Experienced in managing and reviewing log files.
* Setting up MySQL master and slave replications and helping business applications to maintain their data in MySQL Servers.
* Helping the users in production deployments throughout the process.
* Managed and reviewed Log files as a part of administration for troubleshooting purposes. Communicate and escalate issues appropriately.
* As an admin followed standard Back up policies to make sure the high availability of cluster.
* Involved in Analyzing system failures, identifying root causes, and recommended course of actions.
* Documented the systems processes and procedures for future references.
* Worked with systems engineering team to plan and deploy new environments and expand existing clusters.
* Monitoredmultiple clusters environments using Metrics and Nagios**.**

**Environment:** Hadoop HDFS, Map Reduce, Hive, Pig, Flume, Oozie, Sqoop, Eclipse.

**LINUX/UNIX Administrator**

**Prokarma Softech Pvt LTD, India Oct 2012–Jul2014**

**Responsibilities:**

* Build Linux servers. Upgrade and patch existing servers. Compile, built and upgrade Linux kernel.
* Setup Solaris Custom Jumpstart server and clients and implement Jumpstart installation.
* Contact various systems administration works under CentOS, Red Hat Linux environments.
* Performed regular day-to- day system administrative tasks including User Management, Backup, and Network.
* Management and Software Management including Documentation etc.
* Recommend system configurations for clients based on estimated requirements.
* Performed reorganization of disk partitions, file systems, hard disk addition, and memory upgrade.
* Monitored system activities, log maintenance, and disk space management.
* Encapsulated root file systems, and mirrored the file systems were mirrored to ensure systems had redundant boot disks.
* Administer Apache Servers. Published client's web site in our Apache server.
* Fix all the system problems, based on system email information and users' complaints.
* Upgrade software, add patches, and add new hardware in UNIX machines.
* Configuration Management: CMDB audits and regular updates of CMDB.
* Problem Management on HPUX platform. Perform Root Cause Analysis using quality tools.
* Improve system performance by working with the development team to analyze, identify and resolve issues quickly.
* Performed basic system monitoring, verified the integrity and availability of all hardware,

Server resources, systems and key processes, reviewed system and application logs, verified completion.

* HA engineering for architecture of HA environment with OS / patch Release management, Application load and maintain configuration of Central OS image servers.
* Analysis of availability, configuration management for reporting to customer Disaster Recovery planning and conducting DR tests.

**Environment:** LINUX,Solaris 2.8, Redhat Linux 3, JumpStart, Apache, Tomcat,

**LINUX/UNIX Administrator**

**Soft Point Technologies, India Feb 2010 - Sep 2012**

**Responsibilities:**

* Installation, Configuration of Linux, Solaris operating systems on different hardware environments.
* Configuring Solaris, Redhat Linux Servers with Jumpstart and kick start.
* Performed Memory and Swap management to improve optimization and performance of the servers.
* Performed regular day-to- day system administrative tasks including User Management, Backup, and Network.
* Management and Software Management including Documentation etc.
* Recommend system configurations for clients based on estimated requirements.
* Performed reorganization of disk partitions, file systems, hard disk addition, and memory upgrade.
* Monitored system activities, log maintenance, and disk space management.
* Encapsulated root file systems, and mirrored the file systems were mirrored to ensure systems had redundant boot disks.
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**Environment:** LINUX,Solaris 2.8, Redhat Linux 3, JumpStart, Apache, Tomcat,