**Srikanth**

**Professional Summary**

* Around **7** years of Information Technology experience. Extensive experience in design and in Hadoop developing and administration activities such as running jobs on MapReduce, installation, configuration and maintenance of clusters.
* **3+ years of experience in Hadoop System.**
* Hands on experience in installing, configuring, maintenance and using ecosystem components like Hadoop**MapReduce, HDFS, HBase, Zookeeper, Oozie, Hive, Cassandra, Sqoop, Pig, and Flume.**
* Have hands on experience in writing MapReduce jobs in Java, Pig.
* Experience in working with Java, C++ and C.
* Commissioning and decommissioning the nodes in Hadoop Cluster.
* Good at performance tuning on HDFS, MapReduce and Hive jobs.
* Hadoop Cluster capacity planning, performance tuning, cluster Monitoring, Troubleshooting.
* Hands on experience in analyzing Log files for Hadoop and eco system services and finding root cause.
* Experience in setting up HBase cluster which includes master and region server configuration, High availability configuration.
* Expertise in benchmarking, performing backup of databases, name node metadata and disaster recovery of sensitive data.
* Working with data delivery teams to setup new Hadoop users. This job includes setting up Linux users, setting up Kerberos principals.
* Experience in HDFS data storage and support for running map-reduce jobs.
* Experience in designing and implementing of secure Hadoop cluster using Kerberos.
* Successfully loaded files to Hive and HDFS from **Oracle, SQL Server, MySQL, and Teradata using Sqoop.**
* Loaded streaming log data from various web servers into HDFS using Flume.
* Created Hive managed and external tables defined with appropriate static and dynamic partitions.
* Worked on Multi Clustered environment and setting up ClouderaHadoop eco-System.
* Extensive experience in designing analytical / OLAP and transactional / OLTP databases.
* Worked on Oracle, Teradata and SQL server database systems with good experience in UNIX Shell scripting
* Hands on experience on **Red Hat Enterprise Linux System Administration.**
* Excellent analytical, problem solving, communication and interpersonal skills with ability to interact with individuals and can work as a part of a team as well as independently.

**Education and Certification**

* Bachelor’s in Technology, JNTU-2009.
* Cloudera Certified Administrator.

**Technical Skills**

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| --- | --- |
| Programming Languages | Java, C/C++. |
| Hadoop Ecosystem Components | HDFS, Map Reduce Yarn, HBase, Sqoop, Pig, Hive, Flume, Oozie, Strom, Zookeeper, and Cloudera Manager Enterprise. |
| Scripting Languages | Shell scripting, Java scripting, SQL, PL/SQL. |
| Databases | SQL server, Mongodb, Oracle, MYSQL &NoSQL – Cassandra. |
| Database Languages | T-SQL, PL/SQL |
| Methodologies | Agile. |
| Operating Systems | Windows & Linux (CentOS 5, 6 RHEL 6), CentOS, Red Hat Linux. |

**Professional Experience**

**Wells Fargo, Charlotte, NC Jun 2014 – Till Date**

**Role: Hadoop Admin**

**Responsibilities**:

* Installed, Configured and Maintained the Hadoop cluster for application development and Hadoop ecosystem components like Hive, Pig, HBase, Zookeeper and Sqoop.
* In depth understanding of Hadoop Architecture and various components such as HDFS, Name Node, Data Node, Resource Manager, Node Manager and YARN / Map Reduce programming paradigm.
* Monitoring Hadoop Cluster through Cloudera Manager and Implementing alerts based on Error messages. Providing reports to management on Cluster Usage Metrics and Charge Back customers on their Usage.
* Extensively worked on commissioning and decommissioning of cluster nodes, file system integrity checks and maintaining cluster data replication.
* Very good understanding and knowledge of assigning number of mappers and reducers to Map reduce cluster.
* Setting up HDFS Quotas to enforce the fair share of computing resources.
* Strong Knowledge in Configuring and maintaining YARN Schedulers (Fair, and Capacity).
* Wrote the shell scripts to monitor the health check of Hadoop daemon services and respond accordingly to any warning or failure conditions.
* Explicit support for partitioning messages over Kafka servers and distributing consumption over a cluster of consumer machines while maintaining per-partition ordering semantics.
* Support for parallel data load into Hadoop.
* Experience in setting up HBase which includes master and region server configuration, High availability configuration, performance tuning and administration.
* Created user accounts and provided access to the Hadoop cluster.
* Upgraded cluster from CDH 5.3 to CDH 5.7 and Cloudera manager from CM 5.3 to 5.7.
* Involved in loading data from UNIX file system to HDFS.
* Worked on ETL process and handled importing data from various data sources, performed transformations.
* Coordinate with QA team during testing phase.
* Provide application support to production support team.

**Environment:** CDH 5.3, HDFS, Hive, Sqoop, Zookeeper and HBase, Linux, Java, HDFS Map Reduce, Pig, Hive, HBase, Flume, Kafka, Sqoop, Shell Scripting, and RHEL 6.X.

**Office Depot, Boca Rotan, FL. Oct 2102- Dec 2013**

**Role: Hadoop Administrator.**

**Responsibilities:**

* Experience in setup, configuration and management of security for Hadoop clusters using Kerberos and integration with LDAP/AD at an Enterprise level.
* Involved in implementing security on HortonworksHadoop Cluster. Worked with operations team to move cluster from non-secured cluster to secured cluster.
* Implemented Capacity Scheduler to share the resources of the cluster for the map reduces jobs run by the users.
* Good experience with Hadoop Ecosystem components such as Hive, HBase, Sqoop and Oozie.
* Worked on pulling the data from oracle databases into the Hadoop cluster using Sqoop import.
* Install and configure Phoenix on HDP 1.2, 1.3 and 2.0. Create views over HBase table and used SQL queries to retrieve alerts and Meta data.
* Involved in Hadoop cluster planning.
* Manage and review data backups and log files.
* Strong knowledge of open source system monitoring and event handling tools like Nagios and Ganglia.
* Used Ganglia to monitor the cluster and Nagios for the alerts around the clock.
* Experience working on processing data using Pig and Hive. Involved in creating Hive tables, data loading and writing hive queries.
* Tested configuring Kerberos KDC (Key Distribution Center) and Slave KDC and adding multiple realms to distinguish each Hadoop cluster.
* Work with Hadoop developers, designers in troubleshooting map reduce job failures and issues and helping to developers.
* Involved in implementing High Availability and automatic failover infrastructure to overcome single point of failure for Namenode utilizing zookeeper services.
* Manage run-time configuration, processes, scaling, backup and recovery, monitoring, and performance tuning for production MongoDB instances.
* Evaluate and propose new tools and technologies to meet the needs of the organization.
* Production support responsibilities include cluster maintenance.

**Environment**: HDP, Hive, Sqoop, Pig, Flume, Zookeeper, Oozie, RHEL 6 and MongoDB.

**CSTS, Hyderabad. Jun 2011 to Sep 2012**

**Role: Linux Administrator.**

**Responsibilities:**

* Gathering requirements from customers and business partners and design, implement and provide solutions in building the environment.
* Creating physical volumes, volume groups, and logical volumes.
* Monitored the system performance and network related issues through vmstat, iostat, grapher tool.
* Installing and configuring Apache and supporting them on Linux production servers.
* Configured backup and restoration of data from Dump and Target location using Shell Scripts.
* Worked with heterogeneous Client & Server management.
* Troubleshooting of Solaris 8/9/10 and Red-Hat 3/4 on Sun Enterprise Servers and AIX on IBM Blade Servers.
* Worked on package installations, patch up gradations and other server management techniques.
* Recovered data from server after a ROOT file system crash.
* Administered the Network of 400 UNIX Users using Shell Scripts.
* Maintaining relations with project managers, DBA's, Developers, Application support teams and Operational support teams to facilitate effective project deployment.
* Handled Day-to-Day operation of all servers running Production jobs, Backups, Restores and Report generations.
* Planned for storage and backup including analyzing the disk space requirement and backup without affecting the device performance.
* Used heterogeneous backup software for Windows and UNIX to backup and retrieve file systems without loss of data.

**Environment:**LINUX, FTP, Shell, UNIX, VMware, NFS, TCP/IP, Oracle Red Hat Linux.

**Wineyard Technologies, Hyderabad . July 2009 to May 2011**

**Role: Linux Administrator.**

**Responsibilities:**

* Installation and maintenance of all server hardware and software systems and administer all server performance and ensure availability for same.
* Build Linux servers, Upgrade and patch existing servers. Compile, built and upgrade Linux kernel.
* Hands-on experience of system management, system setup and managing Linux or Solaris based servers as well as configuring them.
* Design and maintaining all system tools for all scripts and automation processes and monitor all capacity planning.
* Integrated all required software and resolve all issues across various technologies and design require enterprise servers and provide back up support.
* Evaluate all documents according to system requirements and evaluate all design and perform tests on all development activities and administer all complex methodologies.
* Developing an infrastructure to provide support to all business requirements and perform regular troubleshoot on system to resolve all issues.
* Monitored everyday systems and evaluate availability of all server resources and perform all activities for Linux servers.
* Troubleshooting on all tools and maintains multiple servers and provide back up for all files and script management servers.
* Performing tests on all new software and maintaining patches for management services and auditing on all security processes.

**Environment**: UNIX, FTP, TCP/IP, Red Hat Linux.