**MANASA**

**Ph: 516-268-1791**

**Email:** [**Aremns9@gmail.com**](mailto:Aremns9@gmail.com)

**Summary:**

* 3+ years of experience in design, development and implementations of robust technology systems, with specialized expertise in Hadoop Administration, Big Data and Linux Administration.
* Experience in deploying and managing the Hadoop cluster using Cloudera Manager and Apache Ambari.
* Experience Capacity Planning, validating hardware and software requirements, building and configuring small, medium size clusters, smoke testing, managing and performance tuning the Hadoop clusters.
* Upgrading (Rolling, Express) expertise for Ambari managed HDP clusters.
* Expertise working on the use cases related to Data Ingestion, Data Analytics, Data Retrieval, Real-time Streaming Data and Sensor Data using large data sets.
* Hands on experience on LINUX programming and shell scripting.
* Experience working in Agile/Waterfall methodologies.
* Design and Configure the Cluster with the services required (Hive server2, Kerberos, HDFS, Hue, Hive, H base, Zookeeper).
* Involved in collecting and aggregating large amounts of streaming data and every node logs into HDFS using Flume.
* Monitoring and controlling local file system disk space usage, log files, cleaning log files with automated scripts.
* Experience in working in 24X7 support for critical environments.
* Experience with distributed systems, large-scale non-relational data stores, RDBMS, Hadoop MapReduce systems, data modeling, database performance and multi-terabyte warehouses and data marts.
* Implemented Ad-hoc Hive queries to satisfy immediate or urgent requirements for decision making. Good understanding of NoSQL Data bases and hands on work experience in writing applications on No SQL databases like Cassandra and Mongo DB.
* Have hands on experience in the entire Life Cycle of Data warehouse design and in designing, Writing and Executing Test Plans.
* Good hands on experience with building the application interface using Java scripts and worked on building control to dashboard, standard and Ad-Hoc Reports.
* Handled performance tuning, weekly back-ups and monthly consolidations of data and automated monthly/quarterly/annual report generation.
* Effective team player, self-motivated, capable of adapting to new technology and possessing strong problem solving and analytical skills, excellent verbal, written and inter-personal communication skills.

**Technical Skills:**

Hadoop/Bigdata-  
HDFS, MapReduce, Yarn, Pig, Hive, Sqoop, Flume, Spark, Oozie, Zookeeper, CDH, HDP, Ambari, Cloudera Manager, Kerberos   
   
Languages -  
C, java, HTML, JavaScript   
   
Operating System-   
Linux/Unix (Red hat (5,6,7), […] Centos), Windows […] Windows 10   
   
Virtualization -  
VMware, Virtual Box, Vagrant   
   
Databases -  
Oracle 10/11g, PL/SQL, My Sql, Postgres, HBase, Cassandra   
   
Protocols/ Services-   
HTTP, HTTPS, SSL, DHCP, DNS, SSH, SFTP, TCP/IP, FTP/SFTP, SMTP   
   
Devops/Cloud Tools-   
AWS, Azure, Chef, Jenkins, Maven   
   
Monitoring Tools -  
Nagios, Splunk, Ganglia   
   
Others -  
Apache Tomcat, Web logic, WebSphere.

**Professional Experience:**

**Hadoop Administrator May’16-Till Date**

**Delta, MN.**

**Responsibilities:**

* Installed and configured Apache Hadoop to test the maintenance of log files in Hadoop cluster.
* Installed and configured Hive, Pig, Sqoop, Flume and Oozie on the Hadoop cluster.
* Installed Oozie workflow engine to run multiple Hive and Pig Jobs.
* Setup and benchmarked Hadoop/HBase clusters for internal use.
* Installed and configured Hive and also written Hive UDFs and Used Map Reduce and Junit for unit testing.
* Experienced in using Zookeeper and Oozie Operational Services for coordinating the cluster and scheduling workflows.
* Experienced in managing and reviewing Hadoop log files.
* Worked in installing cluster, commissioning & decommissioning of Data nodes, Name node recovery, capacity planning, and slots configuration.
* Implemented Capacity Scheduler to share the resources of the cluster for the MapReduce jobs given by the users.
* Developed PIG Latin scripts for the analysis of semi structured data.
* Continuous monitoring and managing the Hadoop cluster through Cloudera Manager.
* Migration of ETL processes from RDBMS to Hive to test the easy data manipulation.
* Developed Hive queries to process the data for visualizing.

**Environment:** Apache Hadoop, HDFS, Cloudera Manager, CentOS, Java, MapReduce, Eclipse, Hive, PIG, Sqoop, Oozie and SQL.

**Hadoop Administrator Dec’15-Apr’16**

**Flex Trade Systems, NY.**

**Responsibilities:**

* Support and enhance the capabilities of an existing HDP cluster by adding nodes and installing third party packages for R, python.
* Worked with Unix and Networking team for racking and provisioning of bare metal servers.
* Deployed Hortonworks Hadoop Ecosystem components such as Sqoop, Hbase and Mapreduce. Deployed 300+ node Hortonworks Hadoop Cluster (HDP 2.1) using Ambari 1.5.1.
* Involved in Hadoop cluster environment administration that includes De-commissioning and commissioning nodes, balancing and cluster capacity planning.
* Worked on High Availability for Name Node to avoid single point of failure.
* Enabled High Availability for Resource Manager, Oozie, Hive Server 2, Hive Meta store on production clusters with minimal to zero impact on existing jobs and scheduled workflows.
* Participated in development and execution of system and disaster recovery process.
* Performed an Ambari upgrades and HDP Stack upgrades in production environment from HDP 1.3 through HDP 2.1
* Monitor workload, job performance, and capacity planning.
* Monitor Hadoop cluster environments through Nagios.
* Build and manage development and testing environments, assisting developers in debugging application issues.
* Deployed and supported Hortonworks Hadoop cluster in AWS EC2 environment.
* Enabled job queues and integrated it with Active Directory to control access on per user basis.
* Working with Hortonworks support to resolve the issues.
* Integrated Hadoop cluster with LDAP and active directory for security.
* Implemented and automated HDFS snapshots for critical data.
* Defining and documenting operational processes and monitoring and maintenance procedures
* Monitoring the cluster on a daily basis, check the error logs and debug issues.

**Environment:** Hadoop, HDFS, HBase, Pig, Hive, Oozie, MapReduce, Sqoop, Harton works, Cassandra, LINUX.

**Linux Administrat0r Mar’14-Jun’15**

**Tech in pro, Hyderabad, INDIA.**

**Responsibilities:**

* Deploying the Virtual machines from Template.
* Configuring the File Systems, IP Addresses, Network Files.
* Creating the service accounts and installing the Ssh keys.
* Cloning the Virtual machines.
* Running the post install scripts
* Creating the change requests for the new builds.
* Creating the backup and monitoring requests in HPSM.
* Monitoring the server performance with Site-scope, Nagios, Splunk.
* Deployment of vm templates in AWS.
* Experience in launching of EC2 instances using AMI images. Launching of both Linux and Windows servers with provided and customized AMI images.
* Grouping of EC2 instances with security rules and adding security groups to AWS console.
* Launching ELBs and adding EC2 instances to the ELB. Assigning Elastic IPs to instances for fixed IP.
* Monitoring of different components of AWS like EC2, S3 and related metrics using AWS Cloud watch.
* Experience in cli tools configuration and usage.
* Experience in auto scaling feature in AWS.
* Redirecting traffic of web services by changing Json xml files.
* Experience in application services like Mail, HTTP, Apache Tomcat.
* Deploying of json files into different environments which includes dev, qa and production
* Knowledge on Eucalyptus Amazon management tool.
* Well experience in managing AWS keys and access to AWS accounts.
* Used and configured MFA devices for AWS account.

**Environment:** AWS, RHEL5.6/5.9, Oracle Linux 5.6, VMware, V-Block, Json, JIRA, HPSM