

EXECUTIVE SUMMARY

- Around 5+ years of experience in IT Experience including Hadoop Administration & Big Data Technologies. Hands on experiences with Hadoop stack. (HDFS, Map Reduce, YARN, Sqoop, Flume, Hive-Beeline, Impala, Tez, Pig, Zookeeper, Oozie, Solr, Sentry, Kerberos, Gentrify DC, Falcon, Hue, Kafka, Storm).
- Experienced on Horton works Hadoop Clusters and Cloudera Hadoop Clusters.
- Hands on day-to-day operation of the environment, knowledge and deployment experience in Hadoop ecosystem.
- Installed, Configured and Maintained Apache Hadoop clusters for application development and Hadoop tools like Hive, Pig, HBase, Zookeeper and Sqoop.
- Hands on experience in installing, configuring Cloudera, MapR, Hortonworks clusters and installing Hadoop ecosystem components like Hadoop Pig, Hive, HBase, Sqoop, Kafka, Oozie, Flume and Zookeeper.
- Experience in installing, configuring and optimizing Cloudera Hadoop version CDH3, CDH 4.X and CDH 5.X in a Multi Clustered environment.
- Excellent Knowledge of Cassandra Architecture, Cassandra data modelling & Monitoring Cassandra using OpsCenter.
- Hands on experience in installing, configuring Amazon EMR Cluster with Hadoop services.
- Good understanding and hands on experience of Hadoop Cluster capacity planning, EMR production cluster, performance tuning, cluster monitoring, troubleshooting.
- Commissioning and de-commissioning the cluster nodes, Data migration. Also, involved in setting up DR cluster with BDR replication setup and Implemented Wire encryption for Data at REST.
- Implemented several scheduled Spark, Hive & Map Reduce jobs in Hadoop distribution.
- Assist developers with troubleshooting Map Reduce, BI jobs as required.
- Provide granular ACLs for local file datasets as well as HDFS URIs. Role level ACL Maintenance.
- Cluster monitoring and troubleshooting using tools such as Cloudera, Ganglia, Nagios, and Ambari metrics.
- Manage and review HDFS data backups and restores on Production cluster.
- Implement new Hadoop infrastructure, OS integration and application installation. Install OS (rhel6, rhel5, centos, and Ubuntu) and Hadoop updates, patches, version upgrades as required.
- Responsible for continuous monitoring and managing Elastic MapReduce (EMR) cluster through AWS console.
- Implement and maintain security LDAP, Kerberos as designed for cluster.
- Expert in setting up Horton works cluster with and without using Ambari.
- Experienced in setting up Cloudera cluster using packages as well as parcels Cloudera manager.
- In depth understanding/knowledge of Hadoop Architecture and various components such as HDFS, YARN, Job Tracker, Task Tracker, Name Node, Data Node and Map Reduce concepts.
- Solid understanding of all phases of development using multiple methodologies i.e. Agile with JIRA, Kanban board along with ticketing tool Remedy and Service now.
- Creating and maintaining user accounts, profiles, security, rights, disk space and process monitoring. Handling and generating tickets via the BMC Remedy ticketing tool.
- Configure UDP, TLS, SSL, HTTPD, HTTPS, FTP, SFTP, SMTP, SSH, Kickstart, Chef, Puppet and PDSH.
- Experience in deploying and managing the multi-node development and production Hadoop cluster with different Hadoop components (HIVE, PIG, SQOOP, OOZIE, FLUME, HCATALOG, HBASE, ZOOKEEPER) using Horton works Ambari.
- Provide hands-on engineering expertise to assist with support and operation of the cloud infrastructure. Responsibilities include the design, creation, configuration, and delivery of cloud infrastructure environments.
- Hands on experience on Unix/Linux environments, which included software installations/upgrades, shell scripting for job automation and other maintenance activities.
- Expert in using ANT scripts, Make and Maven for Build process. Experience in Implementation of Continuous Integration through Jenkins. Deployment using various CI Tools like Chef/Ansible.
- Well versed in writing Hive Queries and Hive query optimization by setting different queues.

- Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring on Linux systems. Experience in Jumpstart, Kickstart, Infrastructure setup and Installation Methods for Linux.
- Experience in importing the real-time data to Hadoop using Kafka and implemented the Oozie job. Experience Schedule Recurring Hadoop Jobs with Apache Oozie.
- Experience in setting up Encryption Zones in Hadoop and worked in Data Retention.
- Knowledge of NoSQL databases such as HBase, Cassandra, Mongo DB.

TECHNICAL SKILLS

Security Tool's	LDAP, Sentry, Ranger and Kerberos.
WEB Servers	Apache Tomcat, JBOSS, windows server 2003, 2008, 2012.
Programming Language	Core Java, HTML, Programming C, C++.
Databases	MySQL, Oracle [...] Oracle Server X6-2, HBase, NoSQL.
Scripting languages	Shell Scripting, Bash Scripting, HTML scripting, Python.
Hadoop/Big Data Technologies	HDFS, MapReduce, Hive, Pig, Sqoop, Flume, Oozie, Storm, Zookeeper, Kafka, Impala, MapR, Hcatalog, Apache Spark, Spark Streaming, Spark SQL, HBase, Nifi and Cassandra, AWS (EMR, EC2), Hortonworks, Cloudera.
Hadoop ecosystem tool's and Automation tool	MapReduce, HDFS, Pig, Hive, HBase, Sqoop, Zookeeper, Oozie, Hue, Storm, Kafka, Solr, Spark, Flume. MapReduce, HDFS, Pig, Hive, HBase, Sqoop, Zookeeper, Oozie, Hue, Storm, Kafka, Solr, Spark, Flume, Ansible.
Cluster Management Tools	Cloudera Manager, HDP Ambari, Hue
Operating Systems	Sun Solaris 8,9,10, Red Hat Linux 4.0, RHEL-5.4, RHEL 6.4, IBM-AIX, HP-UX 11.0, HP-UX 11i, UNIX, VMware ESX 2.x, 3. Windows XP, Server [...] Ubuntu.
Scripting & Programming Languages	Shell & Perl programming
Platforms	Linux (RHEL, Ubuntu) Open Solaris, AIX.

WORK EXPERIENCE

Hadoop Administrator Jan 2019 to Present

ADP, Alpharetta-GA

Responsibilities:

- Configuring and Managing High Availability (HA) of HDFS & YARN. Resolving errors and warnings in Cloudera Manager, Configuring Schedulers to resolve application delays.
- Resolving performance problems and errors in Cluster Operation, Revising YARN resource assignment based on applications team feedback.
- Troubleshooting application failures like Hive, HDFS, Yarn, Spark. Copying data between VPC's using a Disc in AWS global availability zones.
- Worked on increasing HDFS IO efficiency by adding new disks and directories to HDFS data nodes. Tested HDFS performance by DFSIO before and after adding data directories.
- Worked on HBase performance tuning by following Apache HBase recommendations and changed row key accordingly.
- Creation of key performance metrics, measuring the utilization, performance and overall health of the cluster.

- Capacity planning and implementation of new/upgraded hardware and software releases as well as for storage infrastructure.
- Hadoop Security implementation using Kerberos Active Directory, Managing HDFS ACL, Managing Sentry for Authorization.
- Backup and recovery task by Creating Snapshots Policies, Backup Schedules and Recovery from Node failure.
- Ability to closely calibrate with product managers and lead engineers.
- Provide guidance in the creation and modification of standards and procedures.
- Proactively monitor and setup alerting mechanism for Kafka Cluster and supporting hardware to ensure system health and maximum availability.
- Implementing security modules like enabling TLS/SSL to CM and CDH components, Kerberos integration with AD/MIT, RBAC using sentry with DB store/policy file, HDFS ACL, log/query Redaction.
- Manage Cloudera Hadoop environment 5.12 and perform setup, administration, and monitoring tasks on AWS Cloud Data Center.
- Responsible for the Installation and performing a rolling upgrade of Cloudera platform.
- Responsible for daily monitoring activities of 6 clusters on cloud (GCP) with 3 different environments (Dev, Stg and Prod) making a total of 18 clusters.
- Support developer team in case of issues related to job failures related to hive queries, zeppelin issues etc.
- Responsible for setting rack awareness on all clusters.
- Responsible for DDL deployments as per requirement and validated DDLs among different environments.
- Responsible for usual admin activities like giving access to users for edge nodes, raising tickets/requests for CyberArk account creation, RSA, AD user creation for different services.

Environment:

Big Data, HDFS, YARN, Hive, Sqoop, Zookeeper, HBase, Oozie, Kerberos, Sentry, Knox, Spark, RedHat Linux.

Hadoop Administrator

May 2018 to Dec 2018

CVS Health-Buffalo Grove-IL

Responsibilities:

- Worked on Installing and configuring the HDP Hortonworks 2.x Clusters in Dev and Production Environments.
- Worked on Capacity planning for the Production Cluster and Installed HUE Browser.
- Involved in loading data from UNIX file system to HDFS and creating Hive tables, loading with data and writing hive queries which will run internally in map reduce way.
- Worked on Installation of HORTONWORKS 2.1 in AWS Linux Servers and Configuring Oozie Jobs.
- Create a complete processing engine, based on Hortonworks distribution, enhanced to performance.
- Performed on cluster up gradation in Hadoop from HDP 2.1 to HDP 2.3.
- Ability to Configuring queues in capacity scheduler and taking Snapshot backups for HBase tables.
- Worked on fixing the cluster issues and Configuring High Availability for Name Node in HDP 2.1.
- Involved in Cluster Monitoring backup, restore and troubleshooting activities.
- Involved in MapR to Horton works migration.
- Integrate JIRA with Apteligent for creating two ways linking between the crash reports and JIRA issues.
- Audited our existing plug-ins and uninstalled few unused plugins to save costs and manage the tool efficiently. Automated the transition of issues based on the status when work is logged on the issues.
- Automated issue creation from the office 365 email through mail handler. Configured logging to reduce unnecessary warnings and Info.
- Worked on installing cluster, commissioning & decommissioning of Data Nodes, Name Node recovery, capacity planning and slots configuration.
- Responsible for implementation and ongoing administration of Hadoop infrastructure.
- Worked on Configuring Kerberos Authentication in the cluster.
- Hands on experience in installation, configuration, management and development of big data solutions using Hortonworks distributions.
- Hands on experience on installation and configuring the Spark and Impala.

- Successfully install and configuring Queues in Capacity scheduler and Oozie scheduler.
- Worked on configuring queues in and Performance Optimization for the Hive queries while Performing tuning in the Cluster level and adding the Users in the clusters.
- 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.
- Adding/installation of new components and removal of them through Ambari.
- Collaborating with application teams to install operating system and Hadoop updates, patches, version upgrades.
- Monitored workload, job performance and capacity planning.
- Inventing and deploying a corresponding Solr Cloud collection.
- Creating collections and configurations, Register a Lily HBase Indexer configuration with the Lily HBase Indexer Service.

Environment:

Hadoop, Map Reduce, Yarn, Hive, HDFS, PIG, Sqoop, Solr, Oozie, Impala, Spark, Hortonworks, Flume, HBase, Zookeeper and Unix/Linux, Hue (Beeswax), AWS.

Hadoop Admin

July 2017 to April 2018

Comcast, Denver, CO

Responsibilities:

- Involved in implementing security on Hortonworks Hadoop Cluster using with Kerberos by working along with operations team to move non-secured cluster to secured cluster.
- Responsible for upgrading Hortonworks Hadoop HDP2.2.0 and MapReduce 2.0 with YARN in Multi Clustered Node environment.
- Responsible for services and component failures and solving issues through analyzing and troubleshooting the Hadoop cluster.
- Worked on Distributed/Cloud Computing (MapReduce/ Hadoop, Hive, Pig, HBase, Sqoop, Flume, Spark, Zookeeper, etc.), Hortonworks (HDP 2.4.0).
- Deploying, managing, and configuring HDP using Apache Ambari 2.4.2.
- Installing and Working on Hadoop clusters for different teams, supported 50+ users to use Hadoop platform and resolve tickets and issues they run into and provide training to users to make Hadoop usability simple and updating them for best practices.
- Installed/Configured/Maintained Apache Hadoop clusters for application development and Hadoop tools like Hive, Pig, HBase, Zookeeper and Sqoop.
- Configuring YARN capacity scheduler with Apache Ambari.
- Configuring predefined alerts and automating cluster operations using Apache Ambari.
- Managing files on HDFS via CLI/Ambari files view. Ensure the cluster is healthy and available with monitoring tool.
- Manage and review Hadoop log files. Monitor the data streaming between web sources and HDFS.
- Managing Ambari administration and setting up user alerts.
- Handled importing of data from various data sources, performed transformations using Hive, MapReduce, Spark and loaded data into HDFS.
- Solving Hive thrift issues and HBase problems after upgrading HDP 2.4.0.
- Involved in projects Extensively on Hive, Spark, Pig and Sqoop throughout the development Lifecycle until the projects went into Production.
- Managing the cluster resources by implementing capacity scheduler by creating queues.
- Integrated Kafka with Flume in sand box Environment using Kafka source and Kafka sink.
- Performed Puppet, Kibana, Elastic Search, and Tableau, Red Hat infrastructure for data ingestion, processing, and storage.

- Monitored multiple Hadoop clusters environments using Ganglia and Nagios. Monitored workload, job performance and capacity planning using Ambari.
- Implemented Spark solution to enable real time reports from Hadoop data. Was also actively involved in designing column families for various Hadoop Clusters.

Environment:

HDP 2.4.0, Ambari 2.4.2, Oracle 11g/10g, Oracle Big Data Appliance, MySQL, Sqoop, Hive, Oozie, Spark, Zookeeper, SQL, MapReduce, Pig, Kerberos, RedHat 6.5.

Hadoop Admin

Aug 2016 to June 2017

HumaInc, Phoenix, AZ

Responsibilities:

- Responsible for Cluster maintenance, commissioning and decommissioning Data nodes, Cluster Monitoring, Troubleshooting, Manage and review data backups, Manage & review Hadoop log files.
- Involved in start to end process of Hadoop cluster setup where in installation, configuration and monitoring the Hadoop Cluster.
- 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.
- Installation of various Hadoop Ecosystems and Hadoop Daemons.
- Developing CPU, memory, I/O Intense Jobs to perform load tests on the cluster and optimizing the performance of the cluster
- Developing Benchmark tests for different ecosystem tools like Hive, HBase and working on Data modeling to perform these Bench marking tests
- 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.
- Provisioning, installing, configuring, monitoring, and maintaining HDFS, Yarn, HBase, Flume, Sqoop, Oozie, Pig, Hive
- Monitored multiple Hadoop clusters environments using Ganglia and Nagios. Monitored workload, job performance and capacity planning
- Installing, Upgrading and Managing Hadoop Cluster on Cloudera distribution.
- Trouble shooting issues such as Data Node down, Network failure and data block missing.
- Managing and reviewing Hadoop and HBase log files.
- Experience with Unix or Linux, including shell scripting
- Built automated set up for cluster monitoring and issue escalation process.
- Administration, installing, upgrading and managing distributions of Hadoop, Hive, HBase.
- Administer all performance for various resources and ensure optimization for same and provide support to all applications and ensure optimal level of customer services.
- Perform troubleshoot on all tools and maintain multiple servers and provide back up for all files and script management servers.
- Monitoring, troubleshooting, and resolving issues involving operating systems.
- Tested numerous software and hardware configurations during the development stages to recreate the operating environments utilized by customers to avoid the distribution of releases with bugs and/or erroneous documentation.

Environment:

Hadoop, cluster health, monitoring security, Red hat Linux, Configuration and Maintenance of Cloudera Distribution.

Linux Administrator

Aug 2013 to June 2015

SBI Bank, Hyderabad, India

Responsibilities:

- Experienced in Servers consolidation and virtualization using VMware vSphere Client and Citrix Xen.
- Worked on Migrating servers from one datacenter to other in VMware vSphere Client.
- Working knowledge of Hyper-V virtualization on Microsoft Windows 2008 platform.
- Monitored overall system performance, performed user management, system updates and disk & storage management.
- Performed Patching in the Red Hat Linux servers and worked on installing, upgrading the packages in the Linux systems.
- Designed and wrote scripts in Shell, Bash scripting, Installations and Configurations of different versions and Editions of Linux servers.
- Troubleshooting the performance, Network issues and monitors the RHEL Linux Servers on Day to Day basis.
- Experience in working on LVM's which includes add/expand/configure disks, disk partitioning with FDISK/PARTED.
- Performed installation, configuration and maintenance of Red Hat Linux 4.x, 5.x, 6.x.
- Provided 24x7 System Administration support for Red Hat Linux 4.x, 5.x, 6.x servers and resolved trouble tickets on shift rotation basis.
- Wrote bash script for getting information about various Red Hat Linux servers.
- Worked on DM-Multipath to determine scsi disks to corresponding LUNS.
- Creation of LVM's on SAN using Red Hat Linux utilities.
- Experience in NFS sharing files/directories, with security considerations.
- Designing and developing new Ansible Playbooks.
- Performed installations, updates of system packages using RPM, YUM.
- Performed Patching activity of RHEL servers using Red Hat Satellite server.
- Implemented Virtualization using VMware in Linux on HP-DL585.
- Red Hat Linux kernel, memory upgrades and swaps area. Red Hat Linux Kick start Installation Sun Solaris Jump Start Installation. Configuring DNS, DHCP, NIS, NFS in Sun Solaris 8/9 & other Network Services.
- Performed Red Hat Linux kernel, memory upgrades and undertook Red Hat Linux Kickstart installations.
- Created users, manage user permissions, maintain User & File System quota on Red Hat Linux.
- Performed troubleshooting, tuning, security, backup, recovery and upgrades of Red Hat Linux based systems.
- Setup of full networking services and protocols on UNIX, including NIS/NFS, DNS, SSH, DHCP, NIDS, TCP/IP, ARP, applications, and print servers to insure optimal networking, application, and printing functionality.
- Installed and configured Sudo for users to access the root privileges.

Environment:

RedHat Enterprise Linux 4.x/5.x, Oracle 9i, Logical Volume Manager for Linux and VMware ESX Server 2.x, Apache 2.0, ILO, RAID, VMware vSphere Client, Citrix Xen, Microsoft Windows 2008/2012.

RAJNIKAR Biram

- Alpharetta, GA, USA

Contact Information

- biram1204@gmail.com (Preferred)
- 4702028998 (Preferred)

Work History

Total Work Experience: 6 years

- **Hadoop Administrator | ADP**
Jan 01, 2019 - No End Date | Alpharetta GA United States
- **Hadoop Administrator | CVS Health**
May 01, 2018 - Dec 01, 2018 | Buffalo Grove IL United States
- **Hadoop Admin | Comcast**
Jul 01, 2017 - Apr 01, 2018 | Denver CO United States
- **Hadoop Admin | HumacInc**
Aug 01, 2016 - Jun 01, 2017 | Phoenix AZ United States
- **Linux Administrator | SBI Bank**
Aug 01, 2013 - Jun 01, 2015 | Hyderabad India

Skills

- **troubleshooting** | 5yrs | 2019
- **configuration** | 5yrs | 2019
- **upgrades** | 5yrs | 2019
- **red hat linux** | 4yrs | 2019
- **security** | 4yrs | 2019
- **installation** | 4yrs | 2019

- **software** | 4yrs | 2019
- **capacity planning** | 3yrs | 2019
- **cluster** | 3yrs | 2019
- **data center** | 3yrs | 2019
- **apache hadoop** | 3yrs | 2019
- **apache hbase** | 3yrs | 2019
- **apache hive** | 3yrs | 2019
- **apache oozie** | 3yrs | 2019
- **apache sqoop** | 3yrs | 2019
- **hdfs** | 3yrs | 2019
- **monitoring** | 3yrs | 2019
- **cloudera** | 2yrs | 2019
- **automation** | 3yrs | 2018
- **linux** | 3yrs | 2018
- **apache flume** | 2yrs | 2018
- **network** | 3yrs | 2017
- **apache**
- **hadoop**
- **hbase**
- **hive**

Work Preferences

- Likely to Switch: Most Likely
- Willing to Relocate: No
- Work Authorization:
 - US
- Work Documents:
 - Have H1
- Security Clearance: No
- Third Party: Yes
- Employment Type:
 - Contract - Corp-to-Corp
 - Contract - W2
 - Contract to Hire - Independent
 - Contract to Hire - W2
 - Contract - Independent
 - Contract to Hire - Corp-to-Corp

Profile Sources

- Dice:

<https://www.dice.com/employer/talent/profile/0e88105de1888327725b8b7d3726347dcb3355f6>