Nagaraju G

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◎ Objective

- ❖ Extensive exposure in driving critical assignments across the career with proven success in ensuring - optimum results.

Profile Summary

- ❖ 6 + years of total experience as NoSQL database's administrator on Cassandra Database and Linux operating system.
- ❖ Administration of several Cassandra high workload clusters.
- ❖ Worked on setting up Prometheus Grafana dashboard for monitoring Cassandra cluster.
- ❖ Cassandra data modeling-Help Software Engineers to achieve both business needs and high-level performances, Cassandra monitoring, alerting, tuning & troubleshooting.
- ❖ Worked on routine change requests pertaining to Data loading/refresh, User access creation, Backup - Snapshot, performance tuning, bootstrap, repair nodes.
- ❖ Experience in bootstrapping, decommissioning, removing, replacing, and repairing nodes, troubleshoot read/write latency and timeout issues in Cassandra.
- ❖ Involved in the process of designing Cassandra Architecture.
- ❖ Set up brand new cluster, bootstrap nodes to existing cluster, adding a data center to existing cluster, Decommission node from existing cluster.
- ❖ Configured Performance Tuning and Monitoring for Cassandra Read and Write processes for fast I/O operations and low latency time.
- ❖ Involved in database deployments, capacity planning, monitoring multi datacenters, performance tuning, and troubleshooting.
- ❖ Supported production, testing, and development Cassandra environments,
- ❖ Ensure all change activities are completed in accordance with project plans and time frames.
- ❖ 24*7 production database support with Support to developers & end-users.

Technical Skills

- ❖ **Operating Systems**: Windows, UNIX, Linux.
- ❖ **Cloud Platforms:** AWS, GCP.
- ❖ **Tools**: ServiceNow, JIRA and Salesforce.
- ❖ **Databases:** Cassandra.

Certification

- ❖ Datastax Cassandra certification

Work Experience

- ❖ System Administrator - Talentployer Pvt Ltd: Dec 2022 – Mar 2023
- ❖ System Administrator - Varite India Pvt Ltd: April 2021 – Dec 2022
- ❖ System Engineer -Lean Data Technologies Pvt Ltd: Feb 2017 to Mar 2021

Key Result Areas

- ❖ Database Design and Modeling
- ❖ Data Backup and Recovery
- ❖ Performance Tuning and Optimization
- ❖ Security and Access Control
- ❖ Data Replication and Sharding
- ❖ Backup and Restore Strategies
- ❖ Monitoring and Alerts Configuration
- ❖ Troubleshooting and Issue Resolution
- ❖ Measure effectiveness of change management activities including communication
- ❖ Cassandra monitoring, alerting, tuning & troubleshooting.
- ❖ Set up brand new cluster, bootstrap nodes to existing cluster, adding a data center to

Client: Infosys
Role: System Administrator
Period: Dec'22-Mar'23

Responsibilities:

- ❖ Managed a Cassandra cluster consisting of many nodes, ensuring high availability and data consistency.
- ❖ Designed and implemented schema models for optimal query performance, reducing query response times.
- ❖ Conducted routine data backups and implemented effective disaster recovery strategies, minimizing data loss risk.
- ❖ Implemented and maintained security measures, including role-based access control and encryption, enhancing data protection.
- ❖ Monitored cluster health, created custom alerts, and responded to incidents promptly, ensuring uninterrupted service.
- ❖ Upgraded Cassandra versions and applied patches while minimizing downtime and ensuring smooth transitions.
- ❖ Installation and Configuration of Cassandra
- ❖ Data Backups, snapshots and restore of Key-spaces.
- ❖ Start, Stop and Monitor of Cassandra nodes using tools like node tool.
- ❖ Working on work orders and service calls
- ❖ Ensure all change activities are completed in accordance with project plans and time frames.
- ❖ Configured Performance Tuning and Monitoring for Cassandra Read and Write
- ❖ processes for fast I/O operations and low latency time.
- ❖ Solid experience on people management with focus on performance management.

Client: Oracle
Role: System Administrator
Period: Apirl'21-Dec'22

Responsibilities:

- ❖ Start, Stop and Monitor of Cassandra nodes using tools like node tool.
- ❖ Installation and Configuration of Cassandra
- ❖ Data Backups, snapshots and restore of Key-paces.
- ❖ Responsible for ongoing activities
- ❖ Monitoring and maintain the tickets.
- ❖ Administered a multi-node Cassandra cluster, ensuring data consistency and reliability.
- ❖ Conducted performance analysis and tuning, resulting and improvement in database throughput.
- ❖ Implemented automated backup and restoration procedures, reducing recovery time.
- ❖ Assisted in designing data models to support new application features and improve overall system efficiency.
- ❖ Collaborated with the DevOps team to automate routine maintenance tasks, enhancing operational efficiency.
- ❖ Working on work orders and service calls
- ❖ Ensure all change activities are completed in accordance with project plans and time frames.
- ❖ Solid experience on people management with focus on performance management.
- ❖ Measure effectiveness of change management activities including communication.
- ❖ Responsible for working closely with IT Infrastructure teams and to ensure that all relevant metrics for server-
- ❖ performance and capacity are available.
- ❖ Investigating and documenting the chronic issues for future analysis.

Client: Clarivate Analytics
Role: System Engineer
Period: Sep'18-Mar'21

Responsibilities:

- ❖ Installation and Configuration of Cassandra
- ❖ Data Backups, snapshots and restore of Key-spaces.
- ❖ Responsible for ongoing activities
- ❖ Monitoring and maintain the tickets.
- ❖ Monitoring the Grafana Dashboard, if any issues in cluster we can check here and do the needful
- ❖ File system related issues
- ❖ Creating Key-spaces along with replication Factor based on Application team request.
- ❖ Taking export and import the tables using CSV files.
- ❖ Key-spaces related issues

Client: Clarivate Analytics
Role: System Engineer
Period: Feb'17-Aug'18

Responsibilities:

- As a System Administrator, I am involved in the following activities.
- System administration, maintenance and monitoring various day-to-day Operations.
- Creating and increasing the file systems by using LVM.
- Day-to-day management of support and demonstration environments including software and hardware upgrades,
- patch management and infrastructure design in a mixed of Linux environment.
- Giving special permissions using SUID/SGID and Sticky bit.
- Install and Upgrade Patches in Linux Machines.
- Swap Space utilization Issue.
- Applying Access Control List (ACL's) on the files in order to allow multiple users to access a particular file or directory.
- Troubleshooting activities and helping user requests
- CPU Bottleneck issues.
- User & Group Administration and Resolving the user related problems.
- Disk Space utilization Issues.
- Installation of packages using RPM and YUM
- Change owner ship on files and Directories.
- Installing and configuring of Redhat Linux OS using Kick start.
- Scheduling system events using Crontab.
- Configuration of SSH.
- Administering and monitoring System performance, disk Space and memory.
- Handling Performance issues.

Education

- **M.B.A** in the year 2016 with an aggregate of from Mahathma Gandhi College, Guntur