**PROFESSIONAL SYNOPSIS**

* Database Administrator with 7+ years of core IT experience in Database Installation, Designing, Administration and Troubleshooting database servers **like MySQL 5.7,5.6, MySQL 5.5 MySQL 5.1, MS SQL 2012,** on Windows, Linux, Solaris, Unix and CentOS platforms.
* Comprehensive knowledge in Database architecture and Implementation, Data Modeling, Database Designing, Tuning Databases and Queries, Procedures, Functions, Triggers and Events.
* Installation and deployment of **Galera cluster with read/write split and failover.**
* Design and Implementation of High Availability solutions and Disaster Recovery Solutions.
* Installation and Maintaining **MySQL 5.7/5.6/5.5/5.1** enterprise and community versions, Installation of **MySQL cluster 7.3/7.2** database instances in production environment and setup of config files.
* Good experience on MongoDB scaling across **data centres** and/or in-depth understanding of **MongoDB HA strategies**, including replica sets.
* Installation and configuration of Percona Xtrabackup open source backup solution, Zmanda and Veritas Netbackup for effectively backing up Mysql databases on linux and scheduling of full and incremental backups and restoration activities.
* Configuring multiple Master-Slave replications on Active - Passive on Solaris OS Cluster suite and HP Cluster suite for achieving high availability and DR solutions.
* Configuration and Setup of various MySQL performance monitoring tools like Nagios and Mysql enterprise Monitor for monitoring Mysql Servers. Configuring perl scripts for monitoring databases and internal health.
* Configured third party storage engines in MySQL installations like **TokuDB** and DeepDB for achieving high performance, scalability and operational efficiency depending on the applications demand.
* Experience with ETL tools like JasperETL and Pentaho mainly for transformation processing, designing and developing jobs for implementing Data Mart applications.
* Maintaining database and tuning database parameters and queries for effective performance. Defragmentation of tables and indexes for improved performance and effective space management. Automating various database specific routine tasks through procedures and shell/perl scripts.
* Developing and maintaining of common objects such as Tables, Views, Indexes, Cursor, Procedures, Functions, Triggers (Autonomous Transaction). Creation of events for scheduling jobs in MySQL.
* Effective management skills and ability to focus on intermediate as well as long term project goals; excellent organizational skills and believe in TEAM (Together Everyone Achieve More)-Work.
* Experience with other databases like Installation of Oracle 9i/10g/11gR2 database on Linux Red Hat and Windows Server.

***Technology***

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| --- | --- |
| **Databases** | MySQL 5.7/ 5.6/5.5/5.1, MySQL Cluster 7.2 CGE, Mongo dB 3.2,3.0.  Oracle 9i/10g/11g R2. |
| **Database Tools** | MySQL Workbench, MySQL Toad, MySQL Migration Toolkit, MySQL GUI Tools- MySQL Query Browser and MySQL Administrator, JasperETL, Pentaho data integrator for ETL Purpose, SQLYog, Nagios, Cacti, Percona Xtrabackup, Percona toolkit, Zmanda Backup, Veritas Net Backup, MySQL Enterprise Monitor, Microsoft Visual [studio.NET](http://studio.net/), Tungsten Replicator, MySQL Fabric |
| **Other Tools** | Visual Source Safe (VSS) and Visual Source Safe Admin, Team Foundation Server (TFS), JIRA, Bugzilla, Nagios, Cacti, MySQL Enterprise Monitor |
| **ETL Tools** | JasperETL, Pentaho, Talend |
| **Languages** | Shell Scripting, Perl, Python |
| **Environment** | Red Hat Linux, Sun Solaris, HP Unix, CentOS, Mac, Windows Server 2003/Windows, Fedora |

**EXPERIENCE**

**Phone.com-Poway, CA Oct ‘2016 – Jan 2017**

**MYSQL DBA/Developer**

**Roles and Responsibilities**

Experience with the following database functions/duties: backups, upgrades, restores, troubleshooting, and support of physical stand-by servers.

* Build **Percona server Xtradb** and Configured it, including setting up backup jobs and creating database, users.
* Configured **Percona Server Xtradb replication**- Master, Slave and Master, Master server.
* Troubleshoot all Replication Issues including Application user connection.
* Worked on **PROXYSQL** load balancer setup on production.
* Installation and deployment of Galera cluster with **read/write split and failover.**
* Configure Percona Xtradb Cluster and troubleshoot, setting up **backups**.
* Provide schema alterations for MySQL databases and software MySQL
* Provide Database User account administration, connection assistance, and assist with configuration of connecting applications.
* Contribute to database planning efforts such as disaster recovery design, tool selection, warehousing and scaling initiatives.
* Assists and develops internal DBA standards.
* Develops operating specific (Unix/Linux) scripts to automate DBA functions.
* Develop and implement MySQL database standards and infrastructure.
* Setup, manage and troubleshoot **Percona (Galera) cluster**, capable of performing IST and SST operations.

**Environment:** MySQL 5.7,5.6, Galera Cluster, Percona Xtrabackup, Proxysql load balancer, Web Services, Shell Script, Apache, perl script LINUX

**Remedy Partners-NYC, NY April ‘2015 – Sep ‘2016**

**MYSQL/Mongo DBA**

**Roles and Responsibilities**

* **MySQL** administration on production environment; installation, tuning, backups, resources optimization and distribution, **InnoDB** and **MyISAM** storage engines, replication in large-scale environments.
* Performance monitoring and tuning; analysing database metrics and assisting with capacity planning
* Configuration and execution of installations, upgrades and migrations, and implementing security controls
* Installation of MySQL server and client software applications in a large environment
* Perform backup and recovery for MySQL databases using Percona Xtrabackup.
* Installing and maintaining.
* Responsible for database management and monitoring (alert log, memory, disk I/O, CPU, database network connectivity)
* MySQL query optimization and performance problem solving.
* Creating user accounts and appropriate privileges as well as maintaining database security.
* Ensure daily export backups are completed and valid for restore and recovery.
* Monitoring and analysing RDBMS for performance, and administering performance tuning.
* Setup and Monitor MySQL database replication in Multi master and slave environment and providing HA solutions.
* Experience in deploying, managing and developing MongoDB clusters on Linux and Windows environment
* Database management for scheduling, tuning, taking backups using on premise MMS monitoring and backup solution.
* Point in time Backup and recovery in **MongoDB** using **MMS**.
* Worked on MongoDB database design and indexing techniques.
* Good knowledge on MongoDB write concern majority.
* Implemented read preferences in **MongoDB replica set**.
* Worked on Current version of MongoDB 3.2.

**Environment:** MySQL5.7, 5.6, Mongodb 3.2,3.0, PHP MyAdmin, PHP 4.x, 5.x, NDB Cluster, Percona Xtrabackup, Web Services, Shell Script, Apache, LINUX.

**National City Bank-Cleveland, OH July’2014– Mar’2015**

**MySQL DBA**

**Roles and Responsibilities**

* Administration and management of the entire development, QA and production environment.
* Installed and configured MySQL on **Linux** and **Windows** environments.
* Performed installation, new databases design, configuration, backup, recovery, security, upgrade and schema changes, tuning and data integrity.
* Increased database performance by utilizing MySQL config changes, multiple instances and by upgrading hardware.
* Assisted with sizing, query optimization, buffer tuning, backup and recovery, installations, upgrades and security including other administration functions as part of profiling plan.
* Ensured production data being replicated into data warehouse without any data anomalies from the processing databases.
* Worked with the engineering team to implement new design systems of databases used by the company.
* Effectively configured MySQL Replication as part of **HA solution**.
* Designed databases for referential integrity and involved in logical design plan.
* Performance Tuning on a daily basis for preventing issues and providing capacity planning using MySQL Enterprise Monitor.
* Developed **stored** **procedures**, **triggers** in MySQL for lowering traffic between servers & clients.
* Ability to carry out security tasks at network level such as block/unblock TCP/IP ports through firewall on both Linux and windows and block/unblock remote access to MySQL server.
* Proficiency in **Unix/Linux** shell commands.
* Created and deleted users, groups and set up restrictive permissions, configuration of the sudo files etc.
* Created data extracts as part of data analysis and exchanged with internal staff.
* Performed MySQL Replication setup and administration on **Master**-**Slave** and **Master**-**Master**.
* Documented all servers and databases.
* Database engineering is based on SDLC pattern. Involved all the steps like requirement analysis, Design, Development and Testing and then deployment.
* ERStudio for database architecture design.
* Shell script is being used for some data migration and backend work management.
* Supporting management with different database related decisions.
* Handling Release management and user acceptance.

**Environment:** MySQL5.6.2,5.5, Oracle10g, PHP MyAdmin, NDB Cluster, Web Services, Shell Script, Apache, LINUX.

**Nationwide Insurance- San Antonio, TX Mar’2012- June’2014**

**MySQL DBA**

**Roles and Responsibilities**

* Provided 24x7 on call production support
* Supported developers and users, monitored **sysdba privileges**, O.S authentication, passwords, privileges, register for security update using metalink, worked with sys admin to close unnecessary open ports, used secure protocol, used password to protect listeners also audit users log on/ log off created/ dropped objects and capturing the actual sql statement that was issued rather than only the fact or the event occurred.
* Regular logs usage review.
* Regular Database Monitoring, using Grid Control (Oracle & MYSQL).
* Review status of nightly Database and Application Server incremental backup reports. (Oracle &MYSQL) Work with system administrator on any issues.
* Verify database backups for exports and hot backup emails.
* Verify free space host availability on **(backup/archive**) directories.
* Monitored the database size and increased the size when required, analysed the database tables and indexes and then rebuilt the indexes if were fragmentations in indexes.
* Checked completion results for any scheduled jobs, corns or data processing including refreshes.
* Reviewed daily invalid object reports for all databases.
* Verify and confirm applications, databases and application servers are operational and functioning normally by monitoring **OEM, server processes, automated e-mails**, etc.
* Created users, allocation of appropriate **tablespace** quotas with necessary privileges and roles for MYSQL databases.
* Build **Bitmap indexes** and created materialized views for **data warehouse project**.
* Turned the Flash Recovery Area on to backup oracle databases from any logical corruptions (table, index) that making the backup faster.
* Responsibilities also, included removing row chaining for better performance deciding the naming conventions of data file, redo log file, tablespaces and segments.

**Environment:** MySQL 5.1.6, 5.1.5 PHP MyAdmin, PHP 4.x, 5.x, NDB Cluster, Web Services, Shell Script, Apache, LINUX.

**Unisys Pvt ltd, INDIA July2009 – Jan2012**

**Database Administrator, Developer**

***Roles and Responsibilities***

* Designing of database and data flow in the system, creation of various objects like procedures, functions, views and sequences.
* Creation of **triggers** for audit log of database.
* Installation and setup of MySQL 5.1 Enterprise and Community servers on Windows/Linux and SUN Solaris Servers.
* Installation and Configuration of MySQL database servers on Sun Solaris systems
* Configuring Active-Passive Cluster setup on SUN Solaris Servers.
* Configuration of Primary and Disaster Recovery sites for Application and Database servers.
* Scheduling snapshot incremental and full backups of MySQL database using third party tools **like VERITAS Net Backup and Zmanda**.
* Scheduling hot and cold backups using MySQL dump.
* Database optimization by tuning queries for various modules in the project for better performance.
* Setting up Master-Slave replication between MySQL Servers for high availability of data.
* Continuous 24\*7 monitoring of MySQL servers having about **2 TB data** using MySQL Performance monitor and various OS specific commands and scripts.
* Creating Procedures and Functions for Reporting and ETL Purpose.
* Implementing Event objects through Database for extract, loading and transfer data Reports.
* Administering Users, Roles and Privileges.
* Scheduling backup through batch file.
* Upgrading **from My SQL 5.0 to My SQL 5.**1.
* Tuning database by partitioning tables.
* Implementing MySQL database replication.
* Migration of legacy Oracle database to MySQL database.
* Working with various MySQL tools like MySQL Workbench, MySQL Administrator, MySQL GUI Tools, SQL Yog, MySQL Performance Monitor, MySQL Migration Toolkit, Oracle PL/SQL Developer, SQL Developer and Toad.
* Facilitated requirements collection, documenting database through Entity- Relationship diagrams.
* Migrating legacy data to PostgreSQL databases and maintaining them.