ANAND SAI KRISHNAN. V.

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**Summary**

* Over 23 + years of Infrastructure experience with Database technologies in MySQL//Postgres /Oracle/Mariadb/Mongo dB Database Management and Administration with experience in the Banking, Financials and Entertainment (industry as Database Manger .Architect/Lead/DBA.
* Experience in Agile Technology and ITIL technical solutions. Involved in vital planning for infrastructure setup for the Global Command center
* Experience with Infrastructure automation tools such as Chef, Puppet, Ansible
* Depth of knowledge on Citrix, VMware, Piviotal cloud foundry and open stack.
* Breadth of expertise in the areas of OS administration AIX/UNIX, Storage Area Networks, Network Attached Storage, Virtual Machines, VBlock, Database Technologies, Load Balancing, Disaster Recovery, Appliance Infrastructure, Cloud Computing, Security infrastructure.
* Vast experience on Datacenter consolidation projects.
* Management and Administration of Oracle, MySQL system from design architecture to Replication implementation.
* Upgraded 1000 of MySQL databases instances to new MySQL version 5.6.21, 5.7.11
* Installed and upgraded Mongo 3,2 with ops manager
* High Availability: Implemented Data Guard (logical &physical) for maximum protection, performance and availability.
* Manage team of DBA’s (infra-structure) on site and off site spread across the globe. DBA categorized of Administration, Application, Operation, Production, Change Management, NOC, On-call support and performance optimization.
* Implemented the ITIL standard model of RDBMS for the DBA teams: Service Delivery, Service of Excellence and People for Managing and Maintaining Database systems.
* Defined the Cost saving structured Shared-Service Model for the operational DBA team servicing multiple projects. Defined outsource model across continents for rapid DB service requests.
* Involved actively in technical solutions in bidding proposal for future Business development.
* Experience in MySQL version from MySQL 4.x/5.x/5.5/5.5.33/ 5.6.14.,5.7.11
* Administered and Deployed Web application products (Oracle iAS , IBM WebSphere , BAE Web logic, Tomcat , Jboss) for RDBMS ODBC setup and installation.
* Experience in Data warehouse architecture VLDB (over 20 TB), OLTP, DSS and OLAP. Implemented ETL tools – Informatica. Involved in the
* Administered full phase cycle of the MySQL database. Administered Development, QA , Integration , UAT , Pre \_Prod and Production environments including the legacy conversion and interface environment.
* Excellent communication skill and customer relationship.

**Education Summary**

* + Master of Economics, (M.A) Economics Annamalai University
  + Bachelor of Economics (B.A) University of Madras
  + Higher Diploma in software engineering (Aptech Computer Education)

**Current technologies**

PostgreSQL and extensions, MySQL/MariaDB, XtraDB Cluster,Mongodb 3.2, with ops manager, MongoDB, Elasticsearch, Cassandra, etc

Neo4j and orientdb

Ansible

Apache

Linux and Unix

Bash, Python, Golang

Pcf & aws

**Professional Summary**

**NBC Universal –(Senior Database architect ) June—2015 to Till date.**

Designed and build cost-effective, secure, scalable, high-performance database solutions to support various TV, park and digital media business applications.

•Provided support on Postgres, MySQL and MongoDB, Orentdb database environments

•Leaded innovations by exploring, investigating, recommending, benchmarking and implemented new technologies.

•Worked closely with various teams within the company including application developers, application owners, project managers, and Corporate IT staff.

•Collaborate with external business partners such as vendors and technical consultants to provide support for system issues or introduce new solution.

•Design and document system standards and operating procedures.

•Strong hands-on experience in Postgres 9.4.4, Mysql 5.5,5.6.5.7, Mongo DB and orientdb

•Provided technical roadmaps and database solutions to better position the business to meet new technical and competition challenges.

•Evaluated and implemented new technologies for service improvement.

•Strong experience in database and operating system performance tuning.

Managing team of 16 offshore team members.

•Provided technical leadership and guidance on various projects and initiatives.

•Assisted in the mentoring and coaching of team members.

•Actively monitor the database platforms to increase efficiency, improve reliability, and minimize operating expenses.

•Establish and maintain operational metrics that align to customer experience.

•Drive efficiencies through automation and operational excellence.

•Demonstrated a strong sense of internal customer satisfaction as a top priority.

•Provide ongoing communication of status of projects and implementation.

•Played a proactive role in developing and applying “Best in Class” approaches/practices to our operational readiness.

•Analyzed and tuned application performance and database performance

**Ambry Genetics--- senior database architect (Oct-2014 ---- Jun-2015)**

* Administration and management of the entire development, QA , stage and production environment.
* Installed and configured MySQL on Linux and Windows environments.
* Managing/Troubleshooting MySQL 5.6.21 in production and developer environments on Linux centos-.6.6
* 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.
* Managing database clustering on NDB technology.
* 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.
* Configuring/Installing/Troubleshooting Apache and PHP.
* 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.
* Enterprise backup for mysql backup.
* Enterprise Monitoring for mysql
* 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.

**Xtivia inc(Colorado) - Senior database consultant (MYSQL)** (July -2014 – Sept-2014)

**Responsibility**

* Worked with clients on performance tuning, query optimization, index tuning.
* Monitor databases for problems and to diagnose where those problems are.
* Work with clients to maintain a scalable, reliable, and robust database environment.
* Build database tools and scripts to automate where possible.
* Test and improve backup and restore processes.
* Prototype and test new system images including MySQL, Linux and different hardware configurations
* Support MySQL databases for production and development.
* Provide 24x7 2nd tier on-call support.
* MySQL on SSD experience.
* Experience with multi-datacenter MySQL replication.

**Ticketmaster/LIVE NATION** (Hollywood) -Database Operations /Project Development (Apr-2007 – June-2014)

**Projects involved**

1) Managed 1000 Plus MySQL database instances and 100 Plus Oracle databases, Responsible for database operations

2) Performance tuning

3) High availability

4) Setting up replication MySQL/Oracle

5) Setting up Oracle RAC/Physical standby database guard

6) Oracle migration 10.2.0.3 to Oracle 11.2.0.3.0 version for plus database instances

5) Currently working on upgrading Mysql database instances to version 5.5.33

6) LATIN TO UTF8 Mysql database conversion.

7) High availability streams env setup for ticketweb.com

8) Involved in jetson project

9) Wal-Mart kiosk retail project

10) Involved in London 2012 Olympics projects and 2007 Beijing Olympics

**Responsibility**

Activities handled as a DBA on both Oracle & MYSQL

1. Creates and maintains all databases required for development, testing, for BI and production usage.
2. Installs, maintains and upgrades Oracle Applications; staying on current release of Oracle (11.2.0.3.0), including compatibility issues with operating systems, third party software and utilities.
3. Performed the capacity planning required to create and maintain the
4. Databases. The DBA works closely with system administration team because
5. Computers often have applications or tools on them in addition to the Oracle

Databases. Creates requests manages, and resolves Service Request with Oracle support. Managing tools Toad, sql developer

1. Performs ongoing tuning of the BI database instances.
2. Daily task of operations including job monitoring and troubleshooting
3. Implementation of physical standby data guard on 11.0.20.3 oracle version and

Design, develop, and manage backup-up and disaster recovery strategies

1. Enforce polices, standards, and guidelines regarding database development and management to comply with PCI
2. Plans and implements backup and recovery of the Oracle 11.0.2 0.3 database.
3. Controls migrations of programs, database changes, reference data changes and menu changes through the development life cycle.

**Mysql database operations**

* Installed MySQL version 5.533, 5.5.29 , 5.1.3.8 and 5.0.27 from scratch
* Implemented MySQL replication for more than 800 plus forward facing MySQL servers
* Implemented postgres 9.5 version with PGPOOL HA solutions
* Implemented mariadb max scale with galera cluster for wan replication.
* MySQL upgraded from 5.0.27 to 5.5.33 version for 800 MySQL servers
* Managing 1000 MySQL servers includes production,, Cap stage and QA environment.
* Installing and Upgrading the Oracle software 11g, 10g/9i/8i on Sun , Linux and Windows 2000 servers
* Implementing Advanced Multimaster Replication and Updateable Materialized View Replication.
* Implementing Managed Standby databases and Data Guard, streams
* Build more than 300 MySQL servers with Master >> Master replication and active >> passive replication
* Implemented the grid control and grid control agent for 10g env
* Upgrading and Patching Oracle databases
* Physical database design and creation
* Implemented yearly, quarterly and daily partitions
* Monitoring space usage and adding space as required.
* Design and implementation of database backup and recovery procedures using RMAN

**WIPRO / CISCO –** Database Lead Consultant (Oct-2006 -Apr-2007)

**Responsibility**

 Managed team of 8 Members 5 @ offshore and 3 at onsite

* Team Leadership in the role of Performance consultant managing team members in multiple project locations.
* Database administration, performance tuning, database backup/recovery, and capacity planning and user/resource management.
* Design, development, implementation of various IT applications using Oracle technologies such as Designer2000, Developer2000 and their related tools, PL/SQL and SQL.
* Upgrade Oracle 9i to 10g on Sun Solaris running on Sun Sparc
* Responsible for upgrade Oracle 9i to 10g sizing around 400GB running on Sun Solaris running on Sun box.
* Database upgrade. Database Performance Tuning
* Data Mart creation, repository/metadata creation/management
* Standby database creation, Database Backup/Recovery strategy/Planning
* Performance Tuning on SQL Queries, Memory tuning

**WIPRO / THAMES WATER (UNITED KINGDOM) -** Database Lead Consultant (Apr-2005 - Oct-2006)

**Responsibility**

* Managed 150 Databases with 10 databases on RAC clustered environment.
* Manage large partitioned databases on IBM AIX and Windows 2000 platforms.
* Responsible for databases whose total size is over 6 tera-bytes.
* Ensure databases adhere to corporate standards and policies including database auditing to SAS70 requirements.
* Installed, configured and supported several 9i RAC databases. Install Oracle 8i, 9i and 10g software.
* Create 10g database and configure Enterprise Manager Database Control feature. Upgrades from version 8.1.6 to 8.1.7.4 and from 8.1.7.4 to 9.2.0.3.
* Upgraded 9i databases through version 9.2.0.7. Maintained currency with periodic Oracle Critical Patches.
* Served as primary DBA in major upgrade of a large 8.1.6 OPS database to a 9i Release 2 RAC configuration. Install and configure Oracle 9iAS.
* Developed RMAN scripts for database back up and recovery including hot and cold backup options for both RAC and stand alone instances.