

## Professional Summary

A highly competent and result-oriented IT Professional with 15+ years of expertise in Database Administration, DevOps, and Bigdata ecosystem.

Currently working in Dealer Socket as Principle DBRE and managing open-source databases stack of PostgreSQL, MySQL, MariaDB, MongoDB, Elasticsearch, AWS RDS & DevOPS tools

I specialize in adapting DevOps culture in the DBA space with the Implementation of Automation & DevOps practices to save DBA hrs.

## Employment History

Organization	Role	Period
Solera (DealerSocket) , Bangalore	Principle DBRE/SRE Databases (DBA)	Mar'2021 to Till date
Redhat, Pune, India	Sr. Database DBA	Dec'2014 to Mar'2021
Yahoo! India , Bangalore , India	Tech Lead Oracle DBA	Feb'2012 to Dec2014'
mPortal (India) Wireless Solutions Pvt. Ltd. Bangalore, India	Sr. Oracle DBA	Oct'2011 to Feb'2012
SLK Software Services Ltd. Bangalore, India	Sr. Oracle DBA	July'2010 to Sep'2011
IBM India Pvt. Ltd. (GBS), Bangalore, India	Oracle DBA	Aug'2008 to May '2010
Bharti Comtel Ltd., Bangalore, India	Project Engineer	Feb'2006to Dec'2007
Bharti Tele Venture Ltd., Raipur	Web Engineer	April'2005 to Feb'2006

## Awards

- Redhat Exemplary Collaboration Award Q4-FY2017
- Redhat Outstanding Contributor Award Q2 FY2017
- Redhat Exemplary Collaboration Award Q1-F2017
- More than 30 Redhat Kudos
- Yahoo! Unsung Heroes Award 2012
- Yahoo! Kudos & a pat on the back

## Major Achievements

- Migrated 13 node MongoDB Sharded Cluster from AWS to on-premises / Datacenter with no DB downtime.
- Migrated PostgreSQL, MySQL & Elasticsearch from AWS to on-premises / data center with minimum DB downtime.
- Migrated single-node PostgreSQL to Patroni Cluster for HA (High Availability)
- End to end Automation of Database user creation and role grant using ServiceNow API and shell scripts
- Zero Downtime upgrade of AWS Aurora/RDS Databases, On-premises PostgreSQL/MySQL/Elasticsearch & MongoDB
- On premises Elasticsearch to Elastic Cloud & On premises Elasticsearch to AWS Elastic Managed Service/AWS ECS
- Migrated live Oracle Databases 11g/12c to PostgreSQL 11 using ora2pg tool on replicated environment using replication manager and pgpool for high availability
- Migrated PostgreSQL, MySQL, and MongoDB from on-premises to AWS Cloud with minimum downtime
- Planned, designed, Architected Database layers on AWS RDS, EC2 & on-premises
- Introduced fast setup/deployment process using Docker/Docker swarm/AWS ECS for ELK, MySQL, PostgreSQL, MongoDB for non-production environments
- Automation of MySQL/MariaDB/MongoDB installation/upgrade using Ansible
- Implemented Jenkins code push process for Databases
- Application and database migration from on premise to AWS/Hybrid cloud using AWS DMS/S3/terraform

- End to end Planning and **upgradation** of nine oracle database instances from **11g to 12c for Oracle EBS 12.1.3 (Oracle ERP)**
- **Zero downtime upgrade** of **25 MongoDB Replica set nodes** (dev to Prod) from 2.4 -> 2.6 -> 3.12 -> 3.6 using **Manual and Ansible**
- **Maintained 16 Node Oracle RAC** live production cluster on Netapp storage system
- **Migrated 11 Live Applications and databases from BareMetal to redhat virtualization env.**
- Took initiation and **Migrated live MariaDB production Databases to AWS/OpenShift/Hybrid cloud**
- Introduced and implemented **AWS Tagging Strategies** to save cost and streamlined billing
- Designed and Configured **AWS Redshift Cluster** for data warehouse system to replace Oracle DB
- **Introduced PostgreSQL/MySQL RDS/Aurora and EC2 DB instances for fast Database implementation**
- Upgraded **MariaDB** from 10 to 10.3.6 using Ansible
- Oracle EBS(ERP) 12.1.3 , Oracle EBS supporting application **migration (Left and shift) from local data center to AWS**
- Noetix application and **database migration (Left and shift) from local data center to AWS**
- Designed, Architected, Implemented and managing **20 Node Cloudera Hadoop cluster** for Data Lake with **Hive, Beeline and PostgreSQL**
- **PostgreSQL Database upgrade from 9.4 to 9.6 on RHEL 7**
- Developed **automated code push system** using git and shell scripts
- Integrated restricted part screening Application (**OCR**) and **B2B application (OpenText)**, Markview , Noetix views with **Oracle EBS R12 (1.2.3)**
- **Database Backup and clone automation using NetApp SMO** command line tool
- Implemented **Oracle Advance security (TDE)** on databases with **minimum downtime**
- Implemented ELK (Elasticsearch, Logstash & Kibana) for various Applications on **premises/Docker/Docker-Compose/ Docker swarm & AWS EC2**
- Designed & Implemented **PostgreSQL/MySQL/MongoDB** monitoring using **Grafana, Prometheus & exporters on premises/Docker/Docker-Compose/Docker swarm & AWS EC2**
- **Elasticsearch database migration from on premises to AWS EC2 & Elasticsearch Cloud (Managed Service)**
- **PostgreSQL/MySQL Community edition to AWS Aurora migration**
- **Elasticsearch cross-cluster replication (CCR)** setup and administration using Kibana on premises/Docker/Docker-Compose/ Docker swarm & AWS EC2
- **Running PostgreSQL PG\_POOL on AWS ECS and RDS PostgreSQL/Aurora PostgreSQL**
- **Infrastructure architecture design for cloud migration & Datacenter consolidation/ Deconsolidation**
- **Database & Application operational process design, workflow formation and implementation**

## Technical Skills

- **RDBMS Databases:** Oracle 11g , 12c, PostgreSQL , MySQL/MariaDB , AWS RDS (Oracle, MariaDB, Postgres)
- **No-SQL Databases:** MongoDB , Amazon DynamoDB , Cassandra (Basics), Elasticsearch
- **Database High Availability:** PGpool, Oracle RAC, MongoDB replica Set , Oracle Standby Databases, F5, MySQL/MariaDB Master-Master, Master-Slave Replication, PostgreSQL Streaming replication
- **Operating system:** red hat enterprise Linux , CentOS, Oracle Linux, Solaris, Ubuntu
- **Oracle Application:** Oracle EBS 11i, EBS 12.1.3 , EBS
- **AWS:** EC2, S3, RDS, VPC, IAM, EBS, Cloud watch, Security groups, ELB (Load balancers), NAT, Route53, Database Migration
- **DevOPS Tools:** Jenkins , git , Puppet , Ansible , bitbucket
- **Database Migration:** Ora2pg for oracle to PostgreSQL, AWS DMS , Database Pump, Oracle Standby Database ,AWS DMS /Schema conversion
- **Infrastructure as Code (IaC):** Terraform , Ansible
- **Monitoring Tool:** ELK , Emite, BMC Petrol, Oracle Grid control , Nagios , Grafana , Prometheus , MongoDB mms
- **Virtualization:** VMware ESXi sever, VMware server and Red Hat Virtualization
- **Data Ware Housing (DWH):** MicroStrategy, SAP Business objects, IBM DataStage, Oracle Discoverer, Noetix views, Data pipelines, Data Lake, Tableau, QlikView, Informatica cloud, Pentaho Data Integration (PDI), Import and Export Data using SQOOP
- **Oracle Utilities:** RMAN, Data pump, ADDM, AWR, ASSM, ASM, SQL\*Loader, DBCA, AD Utilities (Adpatch, Adadmin , adrelink etc)
- **Incident/ Problem / Project Tracking:** ServiceNow , Jira, Better works, Kanban
- **Application Servers:** Apache , Tomcat & WebLogic
- **Security:** SSL certificates, Oracle Wallets, Ansible vault, GPG/PGP encryption
- **Containers:** Docker , Docker compose, Docker swarm , AWS ECS , AWS ECR
- **CI&CD:** Jenkins , Shell scripts, Octopus deploy
- **DB tools:** pg\_basebackup, pgdump, MySQL dump, mongodb dump, expdp/impdp, pg\_repack

## Project SnapShot

### redhat, India , Pune

**Role:** Working as Sr. Database Administer , DevOps DBA , Project Lead , Database & Application Solution Architect

**Environment :** Supporting red hat Internal & external Product/Application/Databases.

#### KRA:

- Managing Oracle, PostgreSQL/ PGpool, MySQL/MariaDB & master-master/slave replication, Mongo dB/ Replica sets Database environment and Infrastructure eco system with upgrade, migration and patching (**on-premise and on AWS**)
- Managing Oracle EBS 12.1.3 Application production and non-prod instances with patching cloning and deployments using Jenkins
- **Automation** of day-to-day DBA and System administrations tasks using shell and Ansible.
- Space, user, role management of Databases and applications
- POCs for new projects, emerging technologies & upgrades
- Application, Database & Infrastructure configuration management using **Puppet, Ansible & Terraform**
- Application, Database migration from on promise to AWS
- Application, Database migration from one database center to Another
- Designing semi, full and end to end **Automation/ Orchestration** for Application/ Day to day repeated tasks
- **Design, architect, and build database echo systems** as per Application/Business requirements.
- **Develop innovation, strategies, processes, and best practices for Database and Application**
- Optimizing backup, clone, recovery and DR process
- Making BCP (Business Continuity Plan) for Application
- Application and Database SSL certificate management
- Data warehouse (DWH) Applications like Business Objects, Tableau, QlikView, Informatica cloud, Pentaho Data Integration (PDI) infrastructure, Repository database, user & integration management
- New hire orientations, Mentoring and caching new team members
- On-call, release & Deployment support
- On Boarding New cost-effective technologies for Application and databases
- Supporting & leading ongoing **Oracle to PostgreSQL database migration, On-premises to AWS RDS/Aurora migration** activities
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### Yahoo! India, India , Bangalore

**Role:** Tech Lead Database Administer , SME products Database & Applications

**Environment:** Supported Yahoo! Internal and external product's databases and Applications like mail, Finance, OMG, News etc.

#### KRA:

#### Operation

- Monitoring database, filer, Application alerts
- Database monitoring using scripts and Oracle Grid 10/12c
- Oracle Database and Oracle Application installation
- Database health check-up using stats pack and AWR
- Project deployment in DEV, ST, UAT and production database
- Database and Application 11i/R12 cloning using hot backup, cold backup, RMAN and Rapid clone
- Database upgrade
- Database and Application 11i/R12 patching
- ASM database installation, administration and migration from non ASM to ASM databases
- Physical Stand by and active stand-by database monitoring and administration for DR/BCP environments
- Managing 3 to 16 node 11g R2 RAC instance on NetApp NFS with Non-ASM
- Converting Physical database environments to Virtual environments vice versa
- Coordinating with oracle support and with customer-direct vendors like server support, backup team etc.
- BCP/DR DMZ database and application drill test and support
- Handling and resolving L3 level incident and problems
- 24/7 and weekend on-call support

- Supporting Weekly and monthly deployments in UAT and Live production environment
- Flowing ITIL, Kanban and Agile driven process and tools

## Projects

- Storage, Database, Application infrastructure design and implementation
- Database and Application datacentre migration and consolidation
- BCP/DR design and Setup
- Data Ware House environment Setup and configuration for Normal and Big data
- Oracle RAC infrastructure design and implementation
- Application version and OS upgrade plan and implementation

### **mPortal (India) Wireless Solutions, Bangalore, India (Accrued by Cisco)**

**Role:** Sr. Database Administer

**Environment:** Supported mPortal Springboard software database for clients like cricket wireless, Cisco Telco Solutions & at&t mobility.

#### **KRA:**

- Database monitoring using scripts and using 3<sup>rd</sup> party tool
- Database Logical backup according to requirement.
- Oracle 9i/10g/11g, MySQL database software installation
- Database creation
- Database/schema refresh
- Database health checkup using statspack and AWR
- CR,MR and Project deployment in DEV, ST, UAT ,PRD databases
- Database cloning using hot backup, cold backup and RMAN
- Database up gradation
- Database patching in single instance and multiple instance (RAC)
- Physical Stand by and active stand by database monitoring and administration
- Managing three node 11g R2 RAC instance on ASM
- Coordinating with oracle support and with customer direct vendor like server support, backup team etc.
- Supporting Product and Support team for DB issues
- DB deployments (MOPS) on Customers and in house environments

### **SLK Software Services Pvt. Ltd., Bangalore, India**

**Role:** Database Administrator

**Environment:** Managed and supported on demand database activities for more than 100 clients like Emerson, Cincinnati public schools, jm family enterprises, Burlington coat factory, blue star electronics usa etc.

#### **KRA:**

- Daily and weekly RMAN Backup checkup
- Database monitoring using scripts and using 3<sup>rd</sup> party tool
- Database Logical backup according to requirement.
- Oracle 9i/10g/11g database software installation
- Database creation
- Database/schema refresh
- Database health checkup using statspack and AWR
- Project deployment in DEV, ST, UAT and production database
- Database cloning using hot backup, cold backup and RMAN
- Database up gradation
- Database patching in single instance and multiple instance (RAC)
- ASM database installation, administration and migration from non ASM to ASM databases
- Physical Stand by and active stand by database monitoring and administration
- Managing two node/three 10g R2/11g R2 RAC instance on OCFS2/ IBM HACMP cluster with ASM lib/EMC SAN
- Converting Physical database environments to Virtual environments vice versa
- Coordinating with oracle support and with customer direct vendor like server support, backup team etc.
- DR drill test and support (Dataguard switchover test)

- Handling and resolving L2 /L3 level incident tickets
- 24/7 and week end on call support.
- Supporting Weekly and monthly deployments in UAT and Live production environment.
- Flowing ITIL process and tools

**IBM India Pvt. Ltd. , Bangalore , India**

**Role: Database Administrator**

**Environment: Global Computing Platform (GCP), AT&T, U.S.A. database eco systems under IBM's pay role**

**KRA:**

- Oracle Database server installation (Oracle9i,10g & 11g)
- Database backup using RMAN & Hot backup.
- Administration of physical stand by databases.
- Database up-gradation & cross platform migration using data pump.
- Database cloning for development, system testing UAT database using (Hot backup/RMAN)
- SQL query tuning.
- Monitoring databases using OEM ,Oracle 10g Grid and third party tool (Emite).
- Configuration and Administration of stand by database (physical).
- Coordination with development, ETL & System Testing teams.

**Bharti Comtel Ltd., Bangalore, India**

**Bharti Tele Venture Ltd., Raipur, India**

**Role: Project/Web Engineer (IT) , Datacentres Technician , Network Observation Centre (NOC) operator and Coordinator**

**Environment: Managing Databases, Operating system, Network equipment's ,Routers ,multiplexer and demultiplexer for Bharti datacentres across the globe**

- Oracle Database Installation, Backup configuration, Recovery support for Enterprises customers
- Monitoring Datacenter Alarms
- Assemble & installation of server hardware, Routers, Data center Racks
- Install operating system and manage server cabling, power systems
- Datacenter & customer side equipment installation planning & commissioning
- Cabling & Cabling Management
- Datacenter vendor management
- Data Center Compliance and Auditing support

## Education

- **M.Sc. (IT)** from Makhnallal Chaturvedi University Bhopal 2021 to 2023
- **B.A.** From Rani Durgawati University Jabalpur (M.P.) 2000 to 2003.

## Certifications & Training

- **RHCSA** (Red Hat Certified System Administrator)
- **M.C.P** (Microsoft certified professional)
- **C.C.N.A.** (Cisco certified network professional)
- **C.C.S.** (Certificate in Computer Software)
- **Big data & Hadoop 2.x** Course number SS1916AF597
- **AWS Solution Architect Associate** from Whiz Labs
- **Red Hat Certified Specialist in Ansible Automation (EX407)** Preparation Course from [linuxacademy.com](https://linuxacademy.com)