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**PROFESSIONAL SKILLS**

* 12+ years of experience in the IT industry in Banking, Messaging platform services domains, with expertise knowledge in RDBMS databases such as Oracle RAC, MySQL, PostgreSQL, MSSQL Server and NoSQL databases like MongoDB, Cassandra and Redis.
* Having Good Experience in working on cloud infrastructures and cloud-based analytics systems like GCP, AWS and Microsoft Azure.
* Supported the migration of on-premises applications and workloads to AWS, ensuring minimal downtime and optimal performance.
* Assisted in configuring and managing EC2 instances, S3 buckets, RDS databases, and Lambda functions to support scalable and reliable cloud infrastructure.
* Managed on-premise, cloud-native (AWS RDS, Azure SQL, Google Cloud SQL), and hybrid database solutions. Optimize cloud-based database costs by right-sizing instances, implementing auto-scaling, and using serverless database solutions.
* Ensured data security and compliance by implementing IAM policies, encryption, and VPCs across GCP database services.
* Monitored database performance using Cloud Monitoring and Cloud Logging, proactively identifying and resolving bottlenecks to maintain SLAs.
* Design, develop, and manage ETL pipelines to extract data from multiple sources, transform it using ETL tools, and load it into databases or cloud data warehouses like BigQuery, Snowflake, and Redshift.
* Designed and implemented data warehouses, ETL pipelines, and real-time data streaming solutions using Kafka, Spark, and Airflow.
* Automated database provisioning, monitoring, and maintenance tasks using Terraform, Python, and Shell scripting
* Integrated database changes into CI/CD pipelines using GitLab, Jenkins, and GitHub Actions.
* Designed and deployed MongoDB databases in standalone, replicaset and sharded cluster configurations to support high-performance applications.
* Implement Role-Based Access Control (RBAC), encryption (TDE, TLS, SSL), and database firewalls to secure sensitive data.
* Specializing in Oracle HA (highly available) database environments & solutions such as Oracle RAC, Data Guard and Golden Gate database replication (active/passive & active/active).
* Experienced in working with a wide range of data types, including structured, semi-structured, and unstructured data.
* Passionate in learning new technologies especially in AI, Machine learning and Data Science
* Possess keen business acumen in analyzing and understanding business requirements, customer-value maximization and developing new business processes.
* Organizing and managing resources for the project that entails creating estimates for the project, work breakdown structure, project plan, contingency plan & schedules, identifying risks within defined scope, quality, time and cost constraints.

**TECHNICAL SKILLS**

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| --- | --- |
| Database RDBMS | Oracle RAC, MySQL, MSSQL Server MariaDB and PostgreSQL. |
| NoSQL Database | MongoDB, Redis Enterprise, Elastic Search and Cassandra. |
| GCP Database Sevices | Cloud SQL, BigQuery, Firestore, Spanner, Bigtable. |
| AWS Core Services | EC2, S3, IAM, RDS, CloudWatch |
| Programming & Scripting | Python, SQL, PLSQL, Shell Scripting, Ansible, Terraform |
| Reporting Tools | SQL Server Reporting Services (SSIS), SpagoBi, Tableau, Power BI**.** |
| Data Integration & ETL tools | Azure Data Factory,Dataflow, Pub/Sub, Pentaho, SSIS |
| Cloud Security and Monitoring | IAM, Encryption, Cloud Monitoring, CloudWatch |
| Operating System | Windows, LINUX, Ubuntu, CentOS, AIX |
| Collaboration Tools | Jira, Confluence, Git, CI/CD Pipelines, Freshdesk |

**Technical Certification**

* **Google Professional Database Engineer**
* **AWS Certified Cloud Practitioner**
* **Azure Certified Data Engineer Associate (DP-203)**
* **Oracle Certified Professional (OCP) – 11G**
* **Oracle Certified Associate (OCA) – 11G**

**WORK EXPERIENCE**

**Role: Lead Database Engineer (Oracle RAC, MongoDB, PostgreSQL, MariaDB, MSSQL)**

**Humac Inc Client: (DBS Bank) Remote support Duration: January 2025 – Till date**

* Design, implement, and maintain scalable, high-performance, and highly available database solutions across Oracle RAC, MongoDB, PostgreSQL, MariaDB, and MSSQL.
* Plan and execute database migrations, upgrades, and patch management to ensure security and stability.
* Design multi-tenant architectures and implement database partitioning, clustering, and replication strategies.
* Ensure seamless integration between different database technologies to support heterogeneous data environments.
* Configured Oracle RAC for high availability, scalability, and load balancing across multiple nodes.
* Perform query tuning, indexing strategies, and schema optimization for high-throughput applications.
* Utilize advanced performance monitoring tools like Oracle AWR/ADDM, PostgreSQL EXPLAIN ANALYZE, SQL Server Profiler, and MongoDB Performance Profiler.
* Conduct capacity planning and implement automated database scaling based on workload analysis.
* Performed point-in-time recovery (PITR) and disaster recovery drills to validate backup strategies and meet RPO and RTO requirements.
* Upgraded Oracle 19C RAC databases from 11g,12C RAC with minimal down time.
* Enforced database security by managing user roles, privileges, and profiles and implementing Transparent Data Encryption (TDE).
* Implement Oracle Data Guard, Always On Availability Groups (MSSQL), PostgreSQL Streaming Replication, MariaDB Galera Cluster, and MongoDB Replication & Sharding for high availability and disaster recovery.
* Design and maintain backup and recovery strategies, leveraging RMAN (Oracle), PITR (PostgreSQL), and Azure/AWS backup solutions.
* Conduct disaster recovery drills and ensure failover mechanisms are in place with minimal downtime.
* Implemented replication and failover strategies to ensure high availability and 99.9% uptime for mission-critical applications.
* Optimized database performance by creating efficient indexes, tuning queries, and optimizing aggregation pipelines, reducing query execution time.
* Administration of Oracle Active Data Guard Physical standby.
* Performed DR DRILL across the data center.
* Extensive use 12C Grid control, shell scripting, OS watcher and other analytical tools to

performance tune mission-critical Production environments.

**Role: Senior Database Admin (Oracle, MongoDB, Redis, PostgreSQL, SQLServer, MySQL)**

**Quesscorp / NTT data Client (DBS Bank), Singapore January 2022 – January 2025**

* Installing and maintaining NoSQL databases like MongoDB and Redis DB and configured the cluster.
* Responsible for administration, maintenance, Performance analysis, and Capacity planning for MongoDB clusters.
* Configured and managed MSSQLServer Always On Availability Groups, MongoDB replication sets, and PostgreSQL clustering to ensure database fault tolerance and high availability.
* Coordinate and plan with Application teams on Mongo DB capacity planning for new applications.
* Configured Oracle Analytics Cloud (OAC) to establish a secure and optimized connection with ADW, enabling robust data visualization and analytics.
* Configured and implemented high-availability and disaster recovery solutions, including MSSQL Server Always On Availability Groups, PostgreSQL clustering, and MongoDB replication and Sharding, ensuring minimal downtime and seamless failover.
* Configured VPN passthrough on Oracle Cloud Infrastructure to establish secure connections between on-premises networks and cloud resources.
* Configured and maintained data flow from two distinct SQL Server environments into ADW, ensuring seamless data integration and synchronization.
* Created aggregation queries for reporting and analysis.
* Collaborated with development teams to define and apply best practices for using MongoDB.
* Consulted with the operations team on deploying, migrating data, monitoring, analyzing, and tuning Mongo DB applications.
* Ensure the continuous availability of our mission critical MongoDB clusters using replication across data centers.
* Involed large-scale migrations and integrations across Oracle, MySQL, PostgreSQL, and MongoDB, ensuring zero data loss, maintaining data integrity, and optimizing performance post-migration.
* Implemented TTL and indexing based on collection data time duration.
* Performance tuning and indexing strategies using mongo utilities like Mongostat and Mongotop.
* Implemented Ops Manager monitoring, alert, automation, backup and restore

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**Data Management Engineer-III** **June 2021 – December 2021**

**Tanla Platforms limited**, **Chennai, INDIA**

* Installing and maintaining Oracle, MySQL, Postgres database
* Configuration of multimode RAC, implement multitenant architecture, Disaster Recovery setup
* Responsible for administration, maintenance, Performance analysis, and Capacity planning for

Oracle RAC clusters.

* Managed and maintained MongoDB clusters, ensuring data redundancy, high availability, and disaster recovery.
* Managing MySQL, Postgres Database security, creating users and managing permissions.
* Migration and Upgrades of critical production databases to Engineered Systems
* Created aggregation queries for reporting and analysis.
* Collaborated with development teams to define and apply best practice for script development
* Responsible for creating new standby build, Cost analysis, and rebuild standby from scratch in
* case of huge gap with primary DB
* Implemented security and bug fix patches every certain interval of time.
* Performance tuning and indexing strategies, AWR ADDM analysis, recommendations, fine tune
* SQL query optimization, provide SQL advisory tuning reports.
* Configuration and Implementation of Oracle Golden Gate.
* Added new tables for replication in Golden Gate.
* Configured Unidirectional and bidirectional Oracle GoldenGate replication. Applied Patch and

upgraded current Oracle RAC Databases.

* Participated in analysis and designing of Oracle Exadata Server for infrastructure and related

Projects.

* Assisted in administration of Oracle database applications on Exadata platforms X8.
* Supported multiple clients on roadmap from On-Premise to Oracle Public Cloud

**Senior Database Administrator**  **April 2019 – June 2021**

**Wipro Ltd**, **Chennai, India**

* Architecting, planning, designing, developing, deploying and supporting 19C/12C/11g Oracle RAC, Golden Gate, Data Guard and ASM environments. Performance tuning on queries that were poorly performing to identify ways to improve response time and through put.
* Upgraded Oracle 19C RAC databases to 12C RAC with Zero down time method using Golden Gate. Create High Availability 19c and 12c RAC Linux clusters (ranging from 2 to 6 nodes) utilizing Data Guard in compliance with Oracle's Maximum Availability Architecture (MAA).
* Implemented Data Guard (Standby) for high availability/disaster recovery purpose and configured the database to Switchover and failover. Performed database and SQL tuning troubleshooting using AWR, ASH and ADDM on Real Application cluster.
* Administration of Oracle Active Data Guard Physical standby.
* Performed DR DRILL across the data center
* Involved on NIC failover/Application FCF testing on Oracle 12g RAC.
* Extensive use 12C Grid control, shell scripting, OS watcher and other analytical tools to performance tune mission-critical Production environments.

**Database Administrator** **February 2015 – April 2019**

**Karix Mobile Pvt Ltd**, **Chennai, India**

* Installing and maintaining databases like PostgreSQL, MySQL, MariaDB and configured streaming Replication.
* Installing and maintaining NoSQL databases like Mongo DB and Click house DB and configured the cluster.
* Implement and maintain database security (create and maintain users and roles, assign privileges).
* Maintaining the Backup and Recovery the policies and procedure.
* Administration of the database including performance monitoring and tuning.
* Creating backup copies of data. Daily maintenance of firewall protection and file security.
* Identifying and escalating immediately any risks to the database service.
* Involved in the design of physical database schema, data modeling, and performance tuning.
* Plan growth and changes (capacity planning).
* Ensure performance, security, and high availability of databases
* Prepare documentations and specifications
* Implemented OLTP system from traditional RDBMS into Hadoop setup with HBase as primary storage and Hive as Aggregation platform. Made Apache Phoenix as SQL layer that sits on top of HBase in order to ease the customer reporting UI changes.
* Implemented HA solution for Hadoop cluster by externalizing HUE, HIVE, OOZIE metadata repository into open-source database.
* Implemented cost effective on-line archival solution using Apache Drill and Parquet combination and there by reduced customer log response TAT from months to hours.

**Software Engineer June 2012 - December 2014**

**Zod info System Pvt ltd, Chennai, India**

* Implement and maintain database security (create and maintain users and roles, assign privileges).
* Maintaining the Backup and Recovery the policies and procedure.
* Administration of the database including performance monitoring and tuning.
* Identifying and escalating immediately any risks to the database service.
* Plan growth and changes (capacity planning).
* Ensure performance, security, and high availability of databases
* Prepare documentations and specifications
* Handle common database procedures such as upgrade, Patching, backup, recovery and migration.
* Responsible for database security and preventing data loss.
* Work as part of a team and provide 24×7 Oncall support for Production databases.

**EDUCATION**

* **Bachelor’s degree of Engineering** from **ANNA UNIVERSITY** Chennai during the year 2008-2012.

**ACHIEVEMENTS:**

* Received best performance award for 2017 from Karix Mobile Pvt ltd CEO for productivity and cycle time improvement.