

Sarma Pydipally

Professional Summary

Experienced **Oracle** and **Apache Cassandra** Database Administrator with a proven track record of designing, implementing, and maintaining robust database solutions. Skilled in optimizing performance, managing high-availability systems, and ensuring data integrity across large-scale, mission-critical environments. Proficient in database migrations, backup/recovery strategies, and troubleshooting complex issues to minimize downtime. Adept at collaborating with cross-functional teams to deliver efficient and scalable database architectures.

Technical Skills

Oracle	Oracle Database 19c/12c/11g, RAC, Grid Infrastructure & ASM, GoldenGate, RMAN, SQL & PL/SQL
Appliances	Oracle Exadata, Oracle ZDLRA, Oracle ZFS Storage Appliance
Cassandra	Apache Cassandra 5.x/4.x/3.11.x, CQL, Data Modeling, DataStax Enterprise, DataStax OpsCenter
Cassandra Tools	Apache Spark, Scala, easy-cass-stress, NoSQLBench, Apache Zeppelin, spark-cassandra-connector, python-cassandra-driver, Reaper
Observability	Prometheus, Grafana, Cassandra metrics-reporter
Analytics	DuckDB
Containers	Kubernetes, OpenShift, Docker
Automation	Ansible
Cloud	Amazon Web Services
Linux	Red Hat Enterprise Linux, Rocky Linux, CentOS, Shell Scripting

ACHIEVEMENTS

- Served as the primary DBA for multiple mission-critical systems, ensuring stability and performance.
- Spearheaded research and implementation of new technologies to improve system performance and reliability.
- Delivered unbiased feasibility studies and technology recommendations, leading to flawless project execution.
- Built strong relationships with colleagues, system administrators, application teams, and vendor support personnel.
- Acted as a mentor, coaching peers and fostering a collaborative team environment.

EXPERIENCE

Verizon Data Services - *Database Administrator - Principal Engineer*

2017 - 2024 @ Ashburn VA

2014 - 2016 @ Lowell MA

2003 - 2014 @ Waltham MA

- Built and maintained Oracle databases for several applications.
- Responsible for configuring Oracle Data Guard and Oracle GoldenGate.
- Worked on Oracle Exadata, Oracle ZFS and Oracle ZDLRA.
- Responsible for major Oracle database migrations across data centers (11g to 12c to 19c).
- Responsible for writing shell scripts to monitor databases and automated health-checks.
- Built and maintained several Apache Cassandra and DataStax Enterprise clusters.
- Responsible for upgrades and migrations for Apache Cassandra and DataStax Enterprise clusters.
- Responsible for automating Cassandra health-checks and improved observability with Prometheus & Grafana.
- Worked on Cassandra clusters with high speed data ingest and analytics with Apache Spark.
- Responsible for building optimized Cassandra data models.

EResources Consultants Inc - *Database Administrator*

Client : **Verizon Data Services @ Waltham MA**

October 2002 - September 2003

NAK Technologies Inc - *Database Administrator*

Client : **Verizon Data Services @ Waltham MA**

January 2001 - September 2002

PATENT "Thumbnail Publication"

US20120117599A1

November 2010 - Patent Application Was Filed

July 2014 - Patent Was Granted