SHERIN SAVUDIN

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Senior Database Administrator – Data Science / Data Engineering Aspirant

A seasoned IT professional with 11+ years of experience, specializing in database administration, system optimization, and high-availability solutions. Transitioning into the Data Science / Data Engineering domain with a Master's in Data Science and hands-on experience in Python, machine learning, big data technologies, and cloud platforms. Adept at extracting insights from large datasets, building machine learning models, and working with tools like PySpark, Hive, and BigQuery. Passionate about leveraging data to solve business problems and continuously enhancing technical skills through practical projects and ongoing learning.

TECHNICAL SUMMARY

- 11+ years of experience managing Oracle databases (11g, 12c, 19c), focusing on performance optimization, HA, and disaster recovery.
- Expertise in Oracle Real Application Cluster (RAC), Automatic Storage Management (ASM), and Oracle Data Guard.
- Hands-on experience in database migration to cloud services like AWS RDS, Microsoft Azure, and Oracle Cloud Infrastructure.
- Familiar with cloud-native data solutions, including AWS Redshift, Google BigQuery, and Azure Data Lake.
- Implemented Oracle Single Sign-On utilizing OID, OAM, WebGate, and OHS from v11.1.1.7 to v11.2
- Integration of retail applications with LDAP OID, OVD, and AD for authentication and User/Groups management
- Strong foundation in data engineering and database administration, with expertise in Oracle, SQL, and cloud databases (AWS RDS, Azure).
- Proficient in Python and its data analysis libraries (Pandas, NumPy, Seaborn, Matplotlib).
- Extensive experience in big data frameworks like Apache Spark, PySpark, Hive, and BigQuery for data processing and ETL.
- Knowledge of machine learning algorithms, model development, and evaluation using Scikit-learn and TensorFlow.
- Experience in designing and implementing data pipelines for large-scale data processing and analysis.
- Adept at performing exploratory data analysis (EDA) and visualizing data trends and patterns.

EDUCATION

Master of Science in Data Science

Manipal Academy of Higher Education, India | CGPA: 8.3| 2024
Key courses: Statistical Analysis, Machine Learning, Big Data Analytics, Natural Language Processing, Computer Vision
Projects: Build a Personalized Online Course Recommender System with Machine Learning

Bachelor of Engineering in Computer Science

Tamil Nadu College of Engineering, Anna University, India | CGPA: 7.9| 2012

CERTIFICATION

OCP [Oracle Certified Database Administrator Professional] for DBA

Oracle Cloud Infrastructure Certified Architect Associate

AWS Certified Solution Architect-Associate

Oracle Cloud Autonomous Database Specialist

RHCE [Red Hat Certified Engineer]

Google - Foundations: Data Everywhere

TECHNICAL SKILLS

Database Management Systems: Oracle, MySQL, SQL Server, MongoDB, Hive, HBASE

BigData : Hadoop, Apache Spark

Programming: SQL, Shell Scripts, Python, PySpark, Numpy, Seaborn, Matplotlib,

ETL: Fivetran, Talend, Sqoop, Flume

Middleware Technologies: WebLogic, Apache Tomcat, Jetty

Cloud: OCI, AWS, Azure

CAREER PROGRESSION

Oracle Retail Database Administrator, *Apparel Group, Bangalore* *Sep 2021 – Present*

- Serving as a DBA for Oracle Database Administration 12c,19c and WebLogic Administration v12.1.0.2
- Handling Fusion middleware and WebLogic environments installation, configuration, and tuning
- Collaborated on the upgradation of Oracle retail applications with Oracle Cloud Infrastructure (OCI) SaaS solutions.
- Managed OCI cloud administration, including user and application management through Oracle Identity Cloud Service (IDCS).
- Administered Oracle APEX and Oracle Integration Cloud Services to enhance application performance and integration.
- Provisioned and migrated schemas within Oracle Autonomous Database, ensuring optimal data management and accessibility.
- Overseeing RMAN backups, restoration processes, and proficiently executing database cloning and refresh activities by utilizing RMAN scripts and Commvault tool.
- Configuring LDAP and Single Sign-On (SSO) for fusion middleware and fusion middleware-based products
- Developing a comprehensive set of documentation for fusion middleware that describes its current configuration
- Leading the upgrades of Oracle Database to 19c and Oracle Retail Application to v16.0.3
- Providing database development, tuning, and optimization expertise to application development and support teams ☐

    Contributing to Database Architecture and Engineering. Developing and deploying compliance-related standards ☐
    Migrating oracle database to AWS RDS instance.
- Ensure optimal resilience of deployed systems and meet all disaster recovery and compliance requirements
- Identifying operational and infrastructure risks and working with the stakeholders to correct and mitigate these risks
- Assisting the vendors for the Oracle Retail Cloud implementation project with respect to access requests and data migration

WebLogic Administrator, *Al Tayer Group, Dubai* *Mar 2021 – Sep 2021*

- Oracle WebLogic Server was upgraded from version 10.3.6 to version 12.2.1.2
- Installed and configured Oracle Retail Applications such as RMS, SIM, RWMS, RIB, CO, ReSA, ReIM, Allocation, and RPM on version 14.1.2
- Advised on DB standards as necessary for projects (audit processes, database access, job configuration)
- Installed and configured v11.1.1.9 of Oracle BI Publisher. Implemented GDPR for Database, WebLogic, and LDAP users

Senior Oracle Database Administrator, *Pinnacle Smart Systems, Dubai* *Jul 2020 – Mar 2021*

Client: Dubai Police, Dubai

- Enabled Oracle Database 12C Unified Auditing and Oracle Database License Management
- Client-specific automation of the daily and weekly database health check reports
- Created, evaluated, and evaluate the quality of new databases, database storage structures, database replication, and database security tools such as Database Vault, Redaction, and Fine Grain Auditing
- Actively monitored database performance to identify bottlenecks, such as inefficient queries, inconsistent and corrupt indexes, and database design, and recommended corrective actions
- Worked closely with the applications team to determine the cause of application failures through troubleshooting

Lead Oracle Database Administrator, *LorhanIT Technologies Ltd, Dubai*   *Dec 2018 – Jul 2020*

Client: Al Tayer Group, Dubai

- Supported more than 20 databases in Oracle RAC, 240 databases in standalone, and 30 WebLogic domains in a Production High Availability Environment as a Database Administrator
- Installed and configured v12.2.1.2 Fusion Middleware Oracle SOA, OSB, and ODI
- Grid PSU/OPatch/ORPatch was applied to all production RAC, WebLogic, and Retail Applications
- Implemented Data Guard physical standby database utilizing Data Guard Broker and executed Switchover and Failover
- Participated in projects providing environment support for Oracle Retail Applications such as RMS, SIM, RWMS, REIM, ReSA, CO, RIB, RDF, Retail Insights, and ORPOS. Upgraded 245 Oracle 12C Standard Edition DBs to Enterprise Edition
- Administration of database users and activation of Unified Database Auditing based on auditing requirements

Consultant - Oracle Fusion Middleware/ Oracle Retail DBA, *Ernst & Young LLP, Bangalore*   *Sep 2017 – Dec 2018*

Clients: Kamal Osman Jamjoom Group-Dubai, Choppies Enterprises-Botswana, Softlogic – Sri Lanka, Extra Stores Saudi Arabia

- Installation and Configuration of OracleDatabase11g RAC in Linux, Solaris, and AIX Environment Oracle database migration from the non-ASM filesystem to ASM using RMAN on ODA machine
- Monthly partitioning of tables containing historical data, such as Retail Sales and Item History
- Oracle Single Sign-on for Oracle Retail Apps and eBusiness Suite R12 was implemented
- Developed SSO Dashboard with login page and URL links to all Oracle-related corporate applications
- Integrated Oracle Access Manager with Oracle Identity Manager to enable email notification of password complexity, password reset, and password expiration to users
- Implemented Oracle Virtual Directory to integrate without synchronization two distinct Oracle Internet Directories for retail applications and E-Business Suite
- Installed gateway, Oracle cloud agents, and data collector agents to collect logs and metrics from Oracle Enterprise Manager as part of the Oracle Cloud Assessment project
- Retail Insights solution for LDAP AD authentication for BI Publisher v11.1.1.7 and OBIEE v12.2.1.2.0

Oracle Retail DBA, *Infosys Limited, Bangalore*   *Feb 2015 – Sep 2017*

Client: Panda Retail Company, Nahdi Medical Centre, Neiman Marcus Group, GAP Inc, Deckers, Follet Corporation

- Oracle Database 12C installation and configuration in a high availability environment for all Oracle Retail Modules
- Managed a 5-person Oracle Retail DBA team to set up an Oracle Retail environment for proof-of-concept purposes
- Implemented the Oracle12C/13C OEM configuration; using OEM, configured the agents to the target databases and set the rules according to the threshold limit
- Used Jenkins for Oracle Xstore application delivery with Continuous Integration

Oracle Database Administrator, *Cognizant Technology Solutions, Bangalore*   *Jun 2013 – Feb 2015*

Client: Comcast Corporation, US

- Oracle Database 11g Installation and Configuration in a standalone environment
- Cloning and Re-Building Production Databases in other environments rapidly using various methods, including EXPDP/IMPDP
- Monitored database alert log files daily and utilized SQL loader to load data from flat files to database
- Developed shell scripts to automate the synchronization of mailboxes between Zimbra and Backup Servers

ADDITIONAL INFORMATION

Languages: English, Tamil, Malayalam, Hindi, Arabic & French (Read & Write)