CHAKRAVARTHY A M POTHURAJU
(Chakri)
(+91)9963732275

Specialized in Migrating Oracle DBs to Cloud and More than 18+ years of **ORACLE DBA** experience in **production support in managing multiple** Databases of different versions **(Oracle 11gr2, 12c, 19c) in Extended RAC Clusters, Dataguard, ASM, GoldenGate and** Oracle on VMware environments and Cloud (IBM, AWS , Oracle Cloud). **Strong and proven** skills in **installation, patch setting, performance tuning, backup & recovery. Good exposure to 12c Multitenant CDB/PDB configurations. and OGG replication across cross-platforms zOS/DB2 to Oracle and zlinux/Oracle to TERADATA in Cascaded/Multi-levels. Migrated Oracle Databases for Clients from On-Prem to IBM Cloud using Cloud Migration Tools vSphere Replication Appliance, Platespin, Zerto, RMAN XTTS, DataGuard, Datapump tools. Exposure to CyberSecurity (Undergone CISSP Training).**

SKILLS

Primary Skills:	**Oracle 1**0*g,*11gR2 RAC, 12cCDB/PDB architecture, 19c, DataGuard, 12c Goldengate, 19c Goldengate Microservices, DBA on UNIX and zlinux, Linux, Cloud platforms**
Oracle Products:	Oracle RDBMS 10g, 11gR2 , 12c ,19c, PLSQL *on* UNIX and **VMware Physical and Logical** Standby DBs, RMAN**. RAC, ASM, Streams, GoldenGate Replication.**
Op. Systems:	**Sun Solaris 9,10; Linux 5x,6x,7x, IBM zLinux**
Hardware:	**Sun4us Sparc servers,** HP-UX 9000/8000 servers;; HP, NT-Workstations and 'VMware Platform, Cloud Compute.
Personality Traits**:**	**Hardworking, Self Motivated and Strong desire for achievement.**
Linked-in profile:	**https://www.linkedin.com/in/chakravarthy-a-m-pothuraju-653a8213/** **https://www.youracclaim.com/earner/earned**

CREDENTIALS
- Latest Learnings and Credentials on IBM Cloud Skill Badges. Mar-2018
- Theoretical and Training Exposure on IBM Cloud:

- 19c GoldenGate Microservices Architecture Training - Udemy.
- **3 Weeks training in IBM-Cloud-Migration-Factory migration methods and tools – 05/2018**
- **Oracle Certified 11g RAC DBA, OCP /2011**
- **11g RAC Administration Training from Oracle Corporation 05/2011.**
- **11g DataGuard Administration from Oracle Corporation 03/2010**
- **10G SQL tuning Training from Oracle Corporation 08/2006**
- **Oracle 10g New features Training from Oracle Corporation 06/2005**
- **Oracle 9i Performance tuning training from Oracle Corporatition 06/2005**
- **ITIL Certified in IT-Service Management (ITIL) by EXIN UK. 11/05**
- **PMI Project Management Training from PMI/COD Hyderabad. 02/07**
- **SEE Excellence award** for individual contribution in 2007
- Three week Oracle Applications DBA with 9i new features training program by **Oracle Corporation**
- Three Monthly awards for excellent contribution for their projects in Sprint
- **B. Tech (Mech. Engg.)** from Regional Engineering College(REC), Warangal – India
- **M.Tech (Industrial Management)** from Indian Institute Technology(IIT), Madras – India

EXPERIENCE

Infrastructure Architect, IBM Cloud Migration Factory.
@ IBM India Pvt Ltd, Hyderabad 05/2018– Present

Migrated Oracle Databases from On-Prem to IBM Cloud for European Clients (UK Power & Network) UKPN, Coca-Cola, Jaguar LandRover, Wood etc.

Sr Oracle SME, Individual Contributor role.
@ IBM India Pvt Ltd, Chennai 01/2010 – Present (11+ Yrs)

Client: Shipping & Logistics MNC based in Denmark and US clients.

- Golden Gate (OGG) configuration and implementation and monitoring.
- OGG Upgrade from 11gR2 to 12c, OGG conversion from Classic to Integrated.
- Migrations from Solaris to Linux - 15TB Dbs with little downtime using OGG. Experience in more than 3+ production db migrations in cross-platforms.
- Installation and Configuration of OGG Replication between Oracle to Oracle and Oracle to Teradata BI platforms (10TB size), Multi-level Cascaded replication.
- Configuring OGG Replication (Forward) from Solaris/10gR2 to Linux/11gR2 and reverse Configuration from Linux/11gR2 to Solaris 10gR2 (for Fallback option after hypercare period)
- OGG configuration from zOS/DB2 DB's to 12c Oracle DB's. Basic exposure to zOS/DB2 and omvs and OGG Configuration on zOS/DB2
- Setup Downstream Stream capture to replicate Schema from Prod to Report DB. And troubleshooted replication issues with capture and apply.
- Configuring Oracle on VMware/Linux Guests. Worked with VMware Configuration team. Migrated Oracle DBs from Physical servers to VMs.
- Installed 11g Two Node RAC Cluster. Upgraded 9i RAC to 11g RAC, worked with RAW Datafiles.
- Used to Flashback Database feature for nightly Database Refresh.
- Cross-Platform Database Migrations from Solaris (BigEndian) to Linux(x86-64) using RMAN-XTTS (15TBs+).
- Worked in DR activities.
- Reorganizing Large Databases using Oracle Online Redefinition
- Configured Oracle Message Gateways to replicate tables changes from oracle DB to Teradata through Oracle Streams, AQs, Message Gateway, 'MQs'
- 15TB ' production Database migration from Raw datafiles to ASM with Little downtime using Physical Standby.
- 11g R2 Physical and Logical Standby setup and management
- SAN Platform Migrations from Hitachi to other Platforms with ASM Disks
- Exposure using IBM FCM backups for instant backups and clones.
- Copying / Cloning Prod DBs to Non-Prod DBs using RMAN Restores, Duplicate from Tape/ActiveDB
- Oracle Options Usage monitoring for Oracle Licensing/Accounting – Saving purposes. Removing Unlicensed Options at time Installation or later.

Database Consultant, Individual Contributor role.
@ Convergys IMG, Hyderabad, India/Cincinnati USA. 09/2008 – Aug/2009
Sr Analyst Database [Promoted in 08/2008]
@ Convergys IMG, Hyderabad, India/Cincinnati USA. (05/2004 – 08/2008)

Clients: Sprint PCS - USA, Cingular Wireless - USA,
          Triton(SunComm) -USA, Dobson –USA, Centennial Telecomm.
          ESPN Billing, Disney Billing Systems etc,EMBARQ Billing Etc.
          IRB Mobile Billing system Support for Jakarta, Indonasia.

- Installing and setting up 10g RAC environments on Linux two node cluster.
- Configuring Failover Load balancing of application sessions on Linux two node cluster with Oracle Services.
- Supporting mission critical Production Databases of the above Telecom Clients in the USA in 24X7 support.
- Installed and configured ASM and RAC on Linux servers.
- Configured Streams Repliocation between BackEnd and Cache Databases.[10g]

- **Supporting the following very high end technical environments:**

1. **C**ustomer, Usage DBs with MutlMaster Synchronous Replication[9i].
    - Involved in setting up and monitoring, troubleshooting Synchronous Replication.
2. Reporting DBs which gets refreshed Nightly with EMC Timefinder (BCV copies).
    - Monitoring and troubleshooting nightly refresh jobs.
3. Cloning Databases with EMC Timefinder cloning operations for Conversion Databases.
4. Physical Hot Standbys and Dataguards.
    -Involved in setting up and monitoring, troubleshooting Physical Hot Standbys, Datagaurds.
5. Veritas Checkpoints, Storage Rollbacks thru VxDBA for quick backouts during production maintenance windows.
6. VCS Failover Configurations for high availability(HA).
7. Job Scheduling and Monitoring with Control-M job Streams.

- Performing account and reference Data Refreshes from Production database to Non-production Databases.
- Configuring RMAN backups for databases and netbackup backups for archieve logs. Restoring and recovering databases from RMAN backups.
- Supporting more than 200 Databases in production, pre-prod, staging, ORT, UAT, BARN, performance lab testing, Conversion env databases.
- Supporting On-Call Rotation tasks besides troubleshooting, performance tuning, applying database structural patches during release maintenance windows.
- Supporting Product Testing Database environments with JVM, XML,XDB components in the databases.
- Developed Shell scripts for monitoring and adding/dropping monthly Partitions.

Oracle DBA
@Computer Enterprises Inc. India, Chennai/Pittsburg USA. (08/2003 - 04/2004)

Projects: Nextel Telecom USA, Bungee , Brazil.
- Supported production and breakfix, Development, Test Databases.
- Generating sqls from ERwin Models and creating Schemas in Development Databases. Comparing ERwin database Models with schemas and sync ing Database with latest Models.
- Writing/reviewing Sql queries for Business Objects Reports.

Oracle DBA
@ NCS PEARSON (Lawrence, Kansas) (08/2001 - 01/2002)

Projects: -EFAST (Erisa Filing System)

- Implemented production roll-over plans for latest phase of database applications and put the database in production.
- Created Database objects with code generator for 2000 year Filings.
- Did setup the autostart, autoshutdown scripts on AIX 4.3.
- Monitored hot backups through Tivoli storage manager
- Troubleshooted the archive log destination full problems and setup shell scripts to monitor filesystem utilization.

Oracle DBA
@ SPRINT PCS (Kansas City, MO) **(11/2000 - 04/2001)**

Projects: -CDR-MAF(Call Detail Record - Message Acquisition Formating)
         -Whole-sale billing System   - Dashboard appication

Installation, Upgrading, Configuration tasks:

- Built the Oracle platforms (8.0.6 with partition option) on the brand-new HP11 servers for System Integration Test, Training, Production environments for **Whole-sale Billing System** Application according to the **OFA**.
- Created databases for the above environments in a very tight schedule.
- Installed PreciseSQL tool to tune the Databases with a focus on tuning the Disk I/O and identifying the disk hotspots.
- Installed *Oracle 8i* on **HP 11.0.** And started **8***i* OEM agent and configured jobs from **8***i Console*.
- Involved in the setting up the oracle env for **MC/ServiceGaurd to Failover** Oracle DBs from Primary server to Secondary server for **High Availability**.
- Did setup the autostart, autoshutdown rc scripts.
- **Migrated 7.3.4** database **to 8.0.6** database for Dashboard Application**.**
- Did setup the listeners, Tnsnames, **Sql*net files with TCP/IP, IPC** protocols for database comm.. between the client and servers.
- Did setup **ODBC datasources** to connect Access97 applications to Oracle through **sql*net and TCP/IP** protocol.

Production Support tasks:
- Implemented frequent **schema changes**/table manipulations on the existing production databases.
- Implemented production roll-over plans for various phases of database applications.
- **Provided 24/7 on-call** DBA support to production databases for all the enterprise mission critical production databases. **Carried pager**.
- Provided primary DBA support for highly mission critical production databases for the CDR-MAF(Call Detail Record - Message Acquisition and Formating) application involving MC/ServiceGaurd high availability configuration.
- Developed stored procedure in SYS schema to Remove scheduled-jobs in the queue and unregister the snapshots from remote sites.

Production Monitoring:
- Setup cron jobs to daily monitoring the databases, exports, backups.
- **Carried pager**

Oracle DBA
@ SPRINT (Kansas City, MO) **(07/99 - 10/00)**

- Provided Development DBA support for **Information Broker (IB)** project on **Oracle 8I on Sun Solaris.**
- Developed stored procedures for Information Broker product proto-type on **Oracle 8*I on Sun*.**
- Migrated data from COR (Common Order Repository) Database schema Ver 2.5 to Ver 3.0 in **Oracle 8*I on Sun Solaris*:**
  - Regular export/import could not be used as the Data structures does not match. Developed code for moving the Orders data from old schema to new schema. Used stored procedures and cursors to pull the data from source tables (old schema) and populate the target tables.
- Developed Embedded SQLs for implementing methods of Corba objects :
  - Developed SQL files to plug into Pro*c Code to implement various methods like: Create(),update(),Find_by_Primarykey(), remove_by_Primarkey(), create_with_Foreignkey(), remove_with_Foreignkey() etc…
  - Used Object to relational mapping documents to identify Table/Columns combination
    for Object/attributes for writing the SQLs.
  - Used IDLs to find the definition of methods defined on each interface.
- Migrated Data from COR database schema from ver 3.0 to 3.5. Developed the stored procedures for pulling the data from 3.0 Ver schema to 3.5Ver Schema in **Oracle 8*i*.**
- Devloped PL/SQL Blocks to handle (READ/WRITE) **LOB Objects** (**BLOB,CLOB,BFILES**) using **DBMS_LOB** built-in package.
- Loaded data using **SQL*Loader** to facilitate System Integration Tests.

Oracle DBA
@ SPRINT PCS (Kansas City, MO) **(01/99 - 06/99)**

Projects:
- Operational Data Layer (ODL)
- Event Tracking (Network Management)
- Clarify (Trouble Management)
- Network Performance Reporting (NPR)

Installation, Upgrading, Configuration tasks:

- Involved in the preparation of company standards for the **Oracle** installation, database creations, and maintenance. Produced the document called for Optimal Flexible Architecture
- Configured the Multi-Threaded Server (MTS) for ODL database, when the number of concurrent sessions grown beyond 600
- Optimized the MTS configuration for the concurrent sessions of 800
- Imported the data from the export dmp file generated out of **Oracle** v8.0.5 database into the **Oracle** v7.3.3.4 Databases, by generating 7.3.3 compatible export/import data dictionary views in 8.0.5 database and exporting using the 7.3.3 exp command against 8.0.5 database and finally used this exp dmp to import into 7.3.3 database
- Created report server database off-line from the production database to divert the report sessions hitting the production database
- Created snapshots in the report server database to get replicated from the master production database every 15 minutes
- Setup DBMS_JOB for refreshing every 15 minutes
- Created snapshot logs in the production database for fast refresh of snapshots

Production Support tasks:
- Provided 24/7 on-call DBA support to production databases for all the enterprise mission critical production databases
- Attended to the problems during the nights and weekends by connecting from the home
- Monitored the cold and hot backups; if backup jobs hung because of network problems, used to clean the process and restart the backup jobs
- Troubleshooting the archive log destination full problems by temporarily moving the archive destination and free up the original file systems
- Developed stored procedures in SYS schema to truncate tables, and granted execute privs to non-DBA userIDs to truncate the tables in other schema, using **DBMS_SQL** built-in standard packages
- Developed stored procedures in SYS schema to create public synonyms, and granted execute privs to non-DBA userIDs to enable them to be able to create public synonyms
- Supported development team in resolving their problems
- Attended to the development team's desktops problems like client's connectivity issues to databases
- Compared the schemas in the DEV, test, and production environments using **SQL** scripts and also using the **Power Designer**

Production Monitoring:
- Setup the cron jobs to alert the free space deficits and max-extents
- Setup cron jobs to analyze the schemas on weekly basis
- **Carried pager**

Oracle DBA
@ Kansas City Power & Light (Kansas City, MO) **(7/97 - 12/98)**

Projects:
- Provided active DBA support for the following (24x7, 365 days) mission critical applications and their back end databases in all stages of their life cycle:
    - **Computer Aided Dispatching System (CADS)**
    - **AM/FM Frame**
    - **Drawing Management System (DMS)**

Installation, Upgrading, Configuration tasks:
- Installed 7.2.x,7.3.x **Oracle** Software, configured & the deployed the environment with optimal flexible Architecture(OFA) on both **HP-UX** and **Windows NT** platforms
- Installed patch sets to fix the bugs, and generated **Oracle** Shared libraries for **Pro*c**, OCI clients

- Configured **Oracle** Intelligent agent on **UNIX** and **WinNT** servers for **Oracle Enterprise Manager 1.5.5**
- Designed and deployed logical and physical database layouts for production and test purposes
- Configured **Sql*Net V1**, **Sql*Net V2** to interact with databases versions 7.2.x and 7.3.x
- Interfaced 16bit and 32 bit applications on **WinNT 4.0** file servers with databases on **HP-UX** servers using **16bit and 32bit ODBC drivers** and **SQL*Net Drivers**
- Involved in mapping File Server Drives to user NT Workstations to run the applications from the user desktop Icons
- Modified user INI files and desktop NT REGISTRY entries to access application

Application Tuning Tasks:
- Collected **SQLs** that go into application, tuned & optimized them using: /*+ Hints/, and by changing the table join order Built required Indexes, dropped unnecessary indexes
- Moved the code for some of the routine data extraction (batch)jobs from client to server by developing stored procedures to reduce the **SQL*Net** round trips
- Tuned **Pro*c** Programs by using **Oracle** Precompiler Options HOLD_CURSORS, RELEASE_CURSORS for frequently re-executed cursors

Database Tuning Tasks:
- Resized the online redo log files on observing the heavy application transaction rate
- Resized and increased rollback segments based on the transaction rate and number of simultaneous transactions.
- Ran utlbstat/utlestats several times to trace and analyze the database performance during execution of the slow running monthly huge batch jobs
- Could use dynamic performance views V$WAITSTATs, V$SYSTEM_EVENT, V$SESSION_EVENT to diagnose the contention for the internal resources in the databases

Backup & Recovery Tasks:
- Recovered the databases using the archive logs when the data files containing the index tablespaces corrupted
- Recovered the databases using the archive logs when the data files containing rollback segments corrupted
- Moved the entire database from the existing file systems to the new file systems on disk arrays.
- Moved the entire database to new m/c for testing for Y2K compliance.

Production Monitoring Tasks:
- Scheduled CRON jobs for regular maintenance and monitoring the databases for: analyzing the schemas, scanning the alert log files, alerting the free space deficit in tablespaces, and daily database exports
- Developed **SQL** and **Shell scripts** for regular monitoring of databases
- Compiled a library of **SQL** and **Shell scripts** to meet the every day needs of DBAs.

10/96-4/97	**VJ INFOSYSTEMS** **Software Development Company** Hydrabad, India

Consultant
- Maintained six development databases in distributed environment
- Performed Database Administration activities on regular basis
- Performed backup and recovery activities
- Performance tuning of the databases for optimal performance
- Provided training to senior application developers in DBA activities

10/95-9/96	**BHARAT DYNAMICS, LTD**
	Manufacturing Industry
	Hydrabad, India

Oracle DBA w/On-line Employee Attendance Monitoring System:
- Designed logical and physical database layouts
- Assigned the **Oracle** system level roles for development, testing, and production phases of life cycle
- Tuned the application and the database for maximum performance
- Performed backup and recovery activities
- The main function of the system is to collect all transactions on-line when the attendance is recorded by the employees. It is to process the attendance data and post the attendance data into monthly master roll files and compute the regular and over-time hours to be paid on monthly basis. The system generates various MIS reports for maintaining and controlling the employee attendance via: daily absenteeism report, late arrival report, early going report, over-time report, monthly payroll report, and monthly master roll.

7/92-9/95	**BHARAT DYNAMICS LTD**
	Hydrabad, India

Oracle DBA
Manufacturing Resources Planning -(MRP-II) :
Lead the development team and was actively involved in the design, development and implementation of MRP-II system. Provided the entire DBA support for the MRP-II system. This system contains 10 major modules covering all the business functions in the manufacturing industry.
- Installed **Oracle** versions 6 & 7.x and performed migration activities from version 6 to 7.x
- Designed the logical and physical database layouts
- Assigned the **Oracle** system level roles for development, testing, production phases of life cycle
- Assisted Project leader in system design, testing and implementation
- Established backup strategies, and performed periodic on-line, off-line (physical) backups and logical backups
- Developed shell scripts for backups
- Performed database activity auditing, database object audits, statement audits, and privilege audits
- Tuned the application for optimizing the **SQL** statement execution performance and transaction behavior
- Tuned the database in areas via memory and I/O
- Recovered databases from media failures: performed data file recoveries, table space recoveries, and database recoveries

5/87-6/92	**BHARAT ELECTRONICS, LTD**
	Opto-electronics Engineering Industry
	Machilipatnam, India

PC-BASED-DBASE IV APPLICATIONS:

Operator Time Ticket Processing System
- Prototyped data entry screens, reports, and tested the system
- Designed and developed the application which involves data capturing of operator time ticket, maintenance of relevant masters, high-lighting of bookings on closed/wrong work orders for proper corrective action, and generation of performance and utilization reports

Material Accounting System

- Prototyped data entry screens, reports, and tested the system
- The entire stores transactions are captured by this system. It keeps track of material issues, receipts, store returns. It processes the data to generate monthly material ledger, transaction details, work orderwise material booked statement, ABC analysis report, and moving/non-moving items statements.

Material Requirement Planning System

- Designed and developed data entry screens, reports, and tested the system.
- Designed and developed this system which takes inputs from three major data files via master production schedule, bill-of-material file, inventory file, and purchase orders file. The data is processed to determine the net requirement of each material for the planning period. Outputs from the system are planned order schedules, purchase order releases, amendments to planned orders, and cancellation of planned orders.

EDUCATION

1983   **Regional Engineering College (REC)** - Warangal, India
Bachelor in Mechanical Engineering

1987   **Indian Institute Technology (IIT)** - Madras, India
Master in Industrial Management