

# ANTONIO JOSE CANTILLO GUTIERREZ

Cell: +57 3244386911

E-mail: [antoniocantillo@gmail.com](mailto:antoniocantillo@gmail.com)

[linkedin.com/in/antoniocantillo](https://www.linkedin.com/in/antoniocantillo)

Resume Extended: [antoniojcantillolog.github.io](https://antoniojcantillolog.github.io)

## Professional summary:

Over 15+ years of experience as an Oracle **DBA (19c, 18c, 12c, 11g, 10g, 9i)** in the IT industry.

Expertise in Oracle 19c, 18c, 12c, 11g, 10g, 9i on large-scale Unix platforms (Linux, HP-UX, Solaris, AIX), and windows server in the areas of database creation, refreshing database, user management

Experience bash shell scripting and other Oracle tools and utilities like **Oracle OEM, SQLDeveloper and TOAD**.

Involved in Installation, Performance Tuning, Backup and Recovery, **RDBMS Patching**, Security, Oracle Enterprise Manager (OEM), Standby Database, Database Upgrade, troubleshooting and basic knowledge of networking and security.

Utilize Oracle diagnostics tools like Explain Plan, **SQL Trace, TKPROF**, and the **AWR** to analyze timing & execution plan for tuning. Also use **TOP** and **VMSTATS** to understand the impact on memory & CPU processes.

Knowledge on **GoldenGate** with installation, configuration and troubleshooting various issues.

Design and implementation of **Backup & Recovery using RMAN** and **Export and Import utility**.

Proficiency in using **SQL \*Loader**.

Handling day-to-day DBA activities using Oracle utilities and tools, monitoring space and memory requirements and Memory tuning. Checking Alert Logs, Archive Logs, Trace files and backup verifications.

Setting up **Standby Database / Oracle DataGuard** to protect against failures. Configured the Standby Database in such a way that the database is kept synchronized with the Production Database by regularly transferring archived log files from the Production Server to the Standby Database Server.

Experience in installation and configuration of **Oracle RAC**. and **data guard**.

Experience as 24x7 Production DBA as well as application (development) DBA.

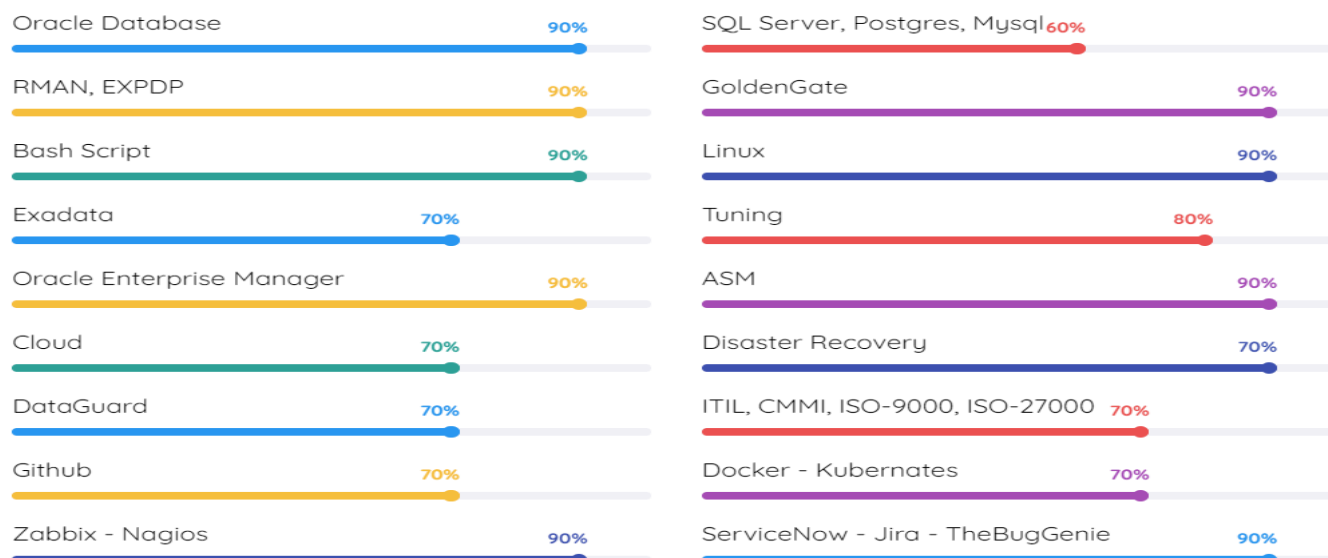
Monitoring and managing the use of disk space, memory and connections, Initializing database devices, Disk mirroring for recovery, creating, enlarging and removing user database and transaction log, Creating and using segments.

Backing up and restoring database, Backup and recovery plan using Dump and Load command, Creating Logical Device names, using backup server for backup and recovery, Step by step recovery of database after crash.

Proactive and efficient in timely delivery of all assignments, always enthusiastic to take up new challenges.

Motivated team player and an adaptable individual with good analytical and strong interpersonal skills.

## With Advance knowledge in:



## WORK EXPERIENCE

**ROLE:** DBA, Tata Consultancy Services

Dec 2022 - Present

### **Functions:**

1. Oracle (10g, 11g, 12c, 19c), **RAC, ASM, and Grid Infrastructure** Administration.
2. Administration and operation of **EXADATA, Superdome, goldengate, RAC, dataguard**.
3. Implementation of Security Controls in the databases and servers.
4. **Migration** databases on-premise to OCI.
5. supported database in cloud environment: **OCI, AZURE**.
6. Administration of database in **cloud environment** using **dbaascli**.
7. Install, configure, operation of Oracle **GoldenGate** replication.
8. Supported more than 100 databases size from 25 GB to 27.1 TB having around 3 instances for each database.
9. **Postgres** database deployments, configurations, operations, migrations, optimizations, security.
10. **Sql Server** database deployments, configurations, operations, migrations, optimizations, security.
11. Installed, configured and maintained oracle databases on **Linux** and **hp-ux** environments.
12. Implemented and supported 4 node **EXADATA RAC** environments.
13. Startup and Shutdown of individual instances on EXADATA RAC 4 node environments.
14. Managed **ASM diskgroups** via **asmcmd** and database control.
15. Created Database objects like Tables, Tablespaces, Rollback Segments, Multiplexing Control files, Data files, Redo log files, Partition tables, Views, Indexes, Clusters, Synonyms, Materialized views. Audited, Implemented scripts/tools to help rollout and manage Oracle in a global distributed environment.
16. Migrated and upgraded oracle database and Moved databases from servers.
17. Setup jobs and events using **Oracle Enterprise Manager (OEM)** console.
18. Used Import/Export and **SQL\*Loader** utilities to move data and objects Configured and Tested Backups for Oracle Databases by restoration and recovery
19. Wrote **bash shell scripts** and scheduled them in **CRONTAB** for monitoring and health checks of database
20. Monitoring Database growth and space administration. and Present capacity plan reports.
21. Frequent analysis of objects, schemas, tuning, storage and security.
22. Experience in developing, maintaining and debugging procedures, packages and functions using sql developer.
23. **Export & import** at full, schema, tablespace and object level.
24. Responsible for Online/Offline database backups and managing Database recovery with RMAN
25. Worked on backup and recovery strategies using RMAN.
26. Performed database tape backups using **data protector** and **veembbackup**.
27. Refreshing or cloning databases from production to development using **RMAN**, or **expdp, impdp** and OS level scripts
28. 24X7 support for databases and production operations teams
29. Interacted with Functional & Technical experts, system administrators, security analysts and other members of the project team to ensure optimum operation of the database

### **Achievements:**

Implementation of monitoring flash recovery area, io disk.

unexpected Exadata reset fixes

Implementation of improved automatic cleaning of logs and archive logs.

Fix in the generation of backups with RMAN. and optimization of times.

**ROLE:** DBA Leader, SOLUCIONES INTEGRALES DE OFICINA SAS

Mar 2012 – Dec 2022

### **Functions:**

1. DBA Leader: Local and cloud Oracle database administration (tools: sqlplus, lsnrctl, dbca)
2. Perform **maintenance, patching** and **upgrading** of Oracle database
3. Migrated and upgraded Oracle DB from 11g to 12c, and 12c to cloud environment (**OCI**)
4. Manage user access and database security features, maintaining permissions
5. Configuration Management. (tools: **svnserver, github**)
6. DevOps: Microservices on **Docker**, Application in Java, thebuggenie
7. Optimization of Oracle database and business processes, (tools: toad, sqldeveloper, insider)
8. Analysis, Evaluation and Implementation of New Technologies.
9. Monitoring and Preventive Maintenance of Oracle Database and Unix Operating Systems.
10. Migrations oracle to **mysql**, oracle to **postgresql**, postgresql to oracle.
11. Infrastructure and server administrator.
12. Administration of networks, firewalls, load balancing servers.

13. Perform installation, configuration and of Oracle databases on **Solaris, Linux, and VMware**.
14. Determined and implemented best practices for Oracle Setup, Installation, Configuration, Monitoring, Sizing, Capacity Planning, Backup and Recovery strategies
15. Created Database objects like Tables, Tablespaces, Rollback Segments, Multiplexing Control files, Data files, Redo log files, Partition tables, Views, Indexes, Clusters, Synonyms, Materialized views. Audited, Implemented scripts/tools to help rollout and manage Oracle in a global distributed environment
16. Setup jobs and events using **Enterprise Manager(OEM)** console, enrolled users and maintained system security by controlling and monitoring user access to the database
17. Responsible for developing different databases at various stages of implementation of Projects (Databases for conversion of data, interfaces, training and development)
18. Used Import/Export and **SQL\*Loader** utilities to move data and objects
19. Monitored and maintained database growth and tablespace utilization
20. Devised backup/recovery strategies and implemented it in line with Business requirements (RMAN)
21. Configured and Tested Backups for Oracle Databases by restoration and recovery
22. Involved in the performance tuning and query optimization
23. Experience in Performance Tuning by using tools/utilities by **Automated Workload Repository (AWR)**
24. Installed and Configured Oracle 11g, 12c **Real Application Cluster (RAC)** Instances with stand by database (**DataGuard**) using **CRS** and **ASM** .
25. Upgraded Oracle Database from 11g to 12c
26. Code reviews of host and interface applications to ensure optimum database connections, resource usages, locks, query response times
27. Designed and Implemented Oracle Disaster Recovery Solutions for customers
28. Applied **patches** in production and test, qa and dev instances
29. Managing Database (User management, Tablespace management, Performance related issues).
30. Strong hands-on partitioning and performance **tuning** skills
31. Strong **SQL** and UNIX **bash scripting** skills
32. 24X7 support for databases and production operations teams
33. Assisting Developers in writing and tuning their queries
34. Work with clients, information architect, system admin, and developers to define information flow helping to transform business requirements into environment specific databases.
35. Assist in the design and implementation of several databases using Data-Flow Diagrams (DFD's) and E/R Models.
36. Diagnosed oracle bugs and coordinating with oracle support to resolve them in timely manner.
37. supported on certification projects of CMMI level 3, IT MARK, and ISO 27001 on infrastructure area.

#### **ACHIEVEMENTS:**

implementation of contingency plans to reduce and prevent incidents with the SIO customer database that could cause data loss and service failure.

Efficient recovery on 5 occasions of serious damage to the databases, which generated the normalization of the service in some of the clients.

Successful implementation of strong backup policies that allow the client to be calm in the face of any eventuality.

Successful implementation of the THEBUGGENIE web tool that manages the requirements and incidents of SIO SAS client projects.

Migration of the different tools (SVN, database, etc) with which SIO SAS operated locally to the cloud.

The company's processes were established, carrying out improvement actions and implementing the good practices of the ITMARK and CMMI SVC LEVEL 3 models.

Recovery of important falls of databases and servers of the government.

Implementation of NAGIOS, service availability monitoring tool

Improvement in the generation and control of the database that allows 0 loss of information.

**ROLE:** Oracle DBA Consultant, Optima Consulting

Sep 2010 - Mar 2012

#### **FUNCTIONS:**

1. Optimization of Oracle database and Business processes, Analysis, Evaluation and Implementation of Oracle Technologies,
2. Monitoring and Preventive Maintenance of Oracle Database and Unix Operating Systems.
3. Oracle database administration to national and international clients.
4. Implemented dataguard (physical) for high availability/disaster recovery solution.
5. Configure, deployment and support of golden gate.
6. Involved in writing bash shell scripts for daily RMAN backups, tape backups, Index rebuilding and to generate Multi-Master Replication. Databases are reorganized to improve performance

7. Developed and maintained stored procedures, functions, packages, and triggers and used Oracle standard packages. Daily monitoring Alert logs, growth of table spaces, size of the tables, top sessions and top 10 SQLs
8. Developed complex queries and PL/SQL procedures on Data Warehousing environment to facilitate strategic plans to higher levels of management. Created Oracle database redo log members and groups managed on-line redo log files. Responsible for Oracle database performance tuning.
9. Cloning of production database to the test environment using Recovery Manager (RMAN)
10. Database Administration and Planning including logical design, physical design, backup & recovery
11. Implemented DataGuard (Standby) for high availability/disaster recovery purpose
12. Developing a backup and recovery strategy and tested several recovery scenarios
13. Managing Application user profiles and managing concurrent managers, concurrent processing, load balancing etc
14. Creation of Database Devices and Databases.

#### **ACHIEVEMENTS:**

1. DBA support to new international markets: Nicaragua, Salvador, Ecuador and Puerto Rico.
2. Successful migrations of some of our client (CLARO NICARAGUA) from 10g to 11g Oracle Database.
3. Implementation of Oracle RAC.

**ROLE:** DBA Oracle, Open System International

Mar 2007 - Sep 2010

#### **FUNCTIONS:**

1. Backup creation and testing, Oracle software installation, Database Creation
2. Database optimization and PL/SQL code
3. Database and Operating Systems Monitoring (space, performance, etc), SQL Tuning
4. Evaluation and Implementation of new Technologies

#### **ACHIEVEMENTS:**

1. Process optimization such as: one that took 5 days to only 10 hours.
2. Implementation of new infrastructure such as: SAN, backup appliance, etc.
3. Script implementation that automates database replication with a single button.

**ROLE:** Software developer, OITEL – Universidad del Valle

Sep 2004 - Feb 2007

#### **FUNCTIONS:**

1. System analysis,
2. Software developer,
3. Customer service, and
4. Postgres Database Administrator tasks.

**ROLE:** Systems Technician, Academic Registration and Admissions Division Univalle Sep 2001 - Feb 2004

#### **FUNCTIONS:**

### **CERTIFICATIONS**

- Mar 2024 Oracle Database Administration 1 | **1Z0-082**
- Mar 2024 Oracle GoldenGate 12c Certified Implementation Specialist | **1Z0-447**
- Oct 2023 AZ-900 Azure Fundamentals
- Jan 2023 Conversational English with Preply | 80 hours
- Feb 2022 Oracle Machine Learning using Autonomous Database 2021 Specialist | 1Z0-1096-21
- Feb 2022 Oracle Cloud Infrastructure Security 2021 Associate | 1Z0-1104-21
- Feb 2022 Oracle Cloud Platform Identity and Security Management 2021 Specialist | 1Z0-1070-21
- Jan 2022 Oracle Cloud Infrastructure Developer 2021 Associate | 1Z0-1084-21
- Jan 2022 Oracle Cloud Database Cloud Operations 2021 Associate | **1Z0-1067-21**
- Dec 2021 Oracle Cloud Database Architect 2021 Professional | 1Z0-997-21
- Dec 2021 Oracle Cloud Database Architect 2021 Associate | 1Z0-1072-21
- Dec 2021 Oracle Cloud Database Services 2021 Certified Specialist | 1Z0-1093-21
- Dec 2021 Oracle Cloud Platform Enterprise Analytics 2021 Specialist | 1Z0-1041-21
- Nov 2021 Oracle Cloud Database Migration and Integration 2021 Specialist | **1Z0-1094-21**
- Nov 2021 Oracle Autonomous Database Cloud 2021 Specialist | 1Z0-931-21
- Oct 2021 Oracle Cloud Infrastructure 2021 Foundations | 1Z0-1085-21

- Dec 2019 British English B2 Level
- Jun 2016 Red Hat System Administration I
- Oct 2015 Product Owner Scrum Agile Institute
- Nov 2014 Certified PSP Developer, SEI Certification
- Jan 2009 Online Prometric Oracle Database: SQL Fundamentals I **1Z0-051**
- Jan 2009 Prometric Center Oracle Database 10g: Administration I **1Z0-042**

## **COURSES AND TRAININGS**

- 2024 Administracion Oracle Database 19c, 40 hours, Udemy
- 2024 Oracle GoldenGate 19c, 40 hours, Udemy
- 2023 AZ-900: Microsoft Azure Fundamental Exam Prep, Udemy
- 2023 Software Security, TCS
- 2023 Softskill leadership: assertive communication, TCS
- 2023 Softskill Rigor in operations, TCS
- 2023 Softskill Language tips for everyday business, virtual conferencing, TCS
- 2023 Softskill Writing effective incident and outage notification, Emails, bussiness chat, TCS
- 2023 Softskill Creating effective status reports, TCS
- 2022 Become a Specialist on Oracle Machine Learning with Autonomous Database
- 2022 Become A Cloud Security Associate
- 2022 Become OCI Developer (Associate), Oracle Learning
- 2021 Become an OCI Cloud Operations Associate, Oracle Learning
- 2021 Become an OCI Architect (Associate), Oracle Learning
- 2021 Become an Oracle Cloud Database Services Specialist, Oracle Learning
- 2021 Become a Business Analytics Expert, Oracle Learning
- 2021 Become an Oracle Cloud Database Migration and Integration Specialist, Oracle Learning
- 2021 Become an Autonomous Database Specialist, Oracle Learning
- 2021 Become an OCI Foundations Associate, Oracle Learning
- 2019 Tourism English B2 level, 400 Hours, Comfenalco Valle
- 2018 IT Government/ITIL Diploma, ICESI
- 2016 Red Hat System Administration I and II, BScolombia
- 2014 Auditor Interno ISO-27001, Password Consulting Services
- 2014 Psp - Personal Software Process, SEONTI
- 2012 Advanced English, Open English
- 2009 Oracle Database Performance Tuning, Oracle Education
- 2006 Fundamentals of PC Hardware, SENA VIRTUAL
- 2006 Web design with HTML, PHP and MYSQL, SENA Virtual SENA
- 2000 LESARU Intermediate English Course

## **EDUCATION**

- 2014 Diploma in Project Management with a Pmi Approach, U. Autónoma de Occidente
- 2015 Diploma in administration and security in database administration, SENA
- 2007 Diploma in Development and Administration of Applications with Oracle Database, U. Autónoma de Occidente
- 2005 Systems Engineering, within the first 6 positions in all semesters. Univalle.



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