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## Experience

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| **2015 Dec – till now** | **Oracle India Pvt Ltd** | **Senior Software Engineer** |
| **2012 May – 2015 Nov** | **Tech Mahindra** | **Technical Associate** |

## Technical

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| --- | --- | --- |
| Operating System | : | Windows 10 & Linux |
| Databases | : | Oracle 11g, 12c, 18c, 19c |
| Languages | : | PLSQL, SQL, MySQL, Core Java, Shell Scripting |
| Database Management Tools | : | OEMCC, OEM Database Express |
| Bug Tracking Tools | : | Jira |
| IDE | : | SQL Developer, Eclipse |
| DevOps tools | : | SVN, GIT, Maven. |
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## Professional Snapshot

* 8+ years of IT experience which includes 5+ years of Database Development and 3+ years of Automation and Manual Testing Experience.
* Have a very good knowledge on working architecture of **Oracle Database and Container Databases** (Multi-tenancy) and knowledge on Oracle wide version of Databases.
* Worked and have hands on experience in Application container databases.
* Excellent knowledge on **SQL, PLSQL**. Expertise in developing PLSQL Packages, functions, procedures and doing PLSQL Code reviews.
* Have an excellent knowledge on Oracle Partitioning, Indexing, Data compression and performance tuning.
* Hands on experience on using **Oracle Data Pump** Utilities.
* Have developed automation utilities like Data Comparison tool, Schema Comparison tool using Core Java, SQL and PLSQL.
* Hands on experience and have a good Knowledge in **Core Java** and **Shell scripting** and involved in developing automation scripts for Database related tasks.
* Hands on experience on **Shell Scripting, AWK scripting and SED**.
* A very good understanding on Oracle cloud Infrastructure concepts. **Certified Oracle cloud infrastructure foundations 2020 associate.**
* Expertise in Installing, creating and setting up new databases and troubleshooting issues of multiple Oracle Database versions.
* Managing and monitoring performance of databases using **Oracle Enterprise Manager Cloud Control** and **Oracle Enterprise Manager Database Express**.
* Good knowledge on Data warehousing and of ETL concepts.
* Good experience in using DevOps tools **SVN, GIT** and **Maven**.
* Capable in leading, guiding and mentoring the team.
* Very good working experience in **Agile/Scrum** work model.
* Working experience in Hospitality & Ecommerce domains.
* Clear understanding of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC)
* Good Inter-Personal and Communication skills and the ability to work efficiently with quick learning of new technologies to fulfill project needs.

## Certifications

* Oracle Cloud Infrastructure Foundations 2020 Certified Associate – Oracle
* Oracle Database 12c: Installation and Administration - LinkedIn

## Acheivements

* Recognized with “SPOT Award” in Oracle for designing and developing an automation tool for Data Migration using Oracle Data Pump Utilities.
* Recognized with “SPOT Award” in Oracle for designing an automation framework for ETL validation to reduce the manual effort.
* Awarded “PAT ON THE BACK” in Tech Mahindra for the “Commitment towards the LSRV application and dedication in finding critical bugs and regression issues during major releases”.

## Work Experience

**Current Organization - Oracle India Pvt. Ltd**

**Project Title : Oracle Hospitality Reporting & Analytics – 20.1**

**Role: Developer**

**Techinal Environment : Oracle DB, SQL, PLSQL, Core Java, Shell Scripting**

**Duration : Aug 2016 to Till Date**

The current project focuses on re-inventing Reporting & Analytics for the current market needs as the legacy solution is feature heavy viz. Labor management, inventory management, Gift and Loyalty (CRM solution), forecasting and loss prevention services. The objective is to provide a light, cost effective analytics solutions for Food & Beverage market in-order to gain more Tier4 and Tier5 customers. This project includes both UI/UX and tech stack overhaul. The current architecture makes use of all the latest technologies including OJET for UI, vault for secret store, micros-services in the application layer, in-house OpenID Connect based solution for identity management, and PDBs for transactional data store.

**Responsibilities:**

* Coordinated with the front end design team to provide them with the necessary stored procedures and packages and the necessary insight into the data.
* Develop the PLSQL Functions, procedures and packages to implement application database features and manage.
* Generated server side PL/SQL scripts for data manipulation and validation and materialized views for remote instances.
* Develop and implement the database maintenance utilities like partitioning, data migration, gather optimizer stats.
* Hands on experience in Setting up new databases for the development usage within the team. Tasks include DB installation, managing existing databases, troubleshooting Database issues.
* Hands on experience and good knowledge on using Oracle Database Administration utilities like DBCA, DBUA, NetCA.
* Backup and restore backups to the databases using RMAN utility.
* Develop and manage automation scripts of database regression test cases using PLSQL Scripts.
* Review the PLSQL Scripts developed by the peers.

**Project Title : R&A Data Pump Migration Tool**

**Role : Developer**

**Technical Environment: Oracle DB, SQL, PLSQL, Shell Scripting, Oracle Data Pump Utility**

This project goal is to provide a path to migrate tenants from R&A 20.1 existing upgrade environments (on 12.1 Database version) to R&A 20.1 (on 18c Database version) Multitenant environment where advanced features of Database are supported. Also the transactional data older than certain date that will be chosen by customer should be retained in database.

**Responsibilities:**

* Analyze the business requirement and Design the architecture of the tool.
* Develop the Oracle PLSQL Procedures, functions, packages, and use Oracle Data pump utilities to implement the functionality tool.
* Developed the Shell Scripts to optimize the steps and automate the steps to execute the tool and minimize the number of user inputs.
* Guide and monitor the other team members to implement the features of the tool, peer review the code and provide suggestions whenever required.
* Analyze and monitor the performance of Tool with larger sets of data and improve the performance to load the data in lesser time.
* Manage the tool and enhance the code to support the newer versions of the R&A Database.

**Project Title : Metadata – Seed Data comparison tool**

**Role : Developer**

**Technical Environment: Oracle DB, SQL, Core Java**

R&A 20.1 version of Application focuses to standardize the schema structure of the database. Current databases in production (60+ number) have different schema structures, which were created and altered depending on the customer needs. The tool aims to compare the metadata and seed data of all the databases and generate summary and detailed reports in HTML format with differences.

**Responsibilities:**

* Analyze the requirements and Design the architecture of the tool.
* Develop the PLSQL Functions, Procedures to compare the metadata and seed data across the databases.
* Using Core Java, HTML – develop the code and generate detailed analysis of the comparison reports.
* Manage the tool and enhance the code to support the newer versions of the R&A Database.
* Demo the tool to PRT team and get the tool reviewed, take feedback and enhance.

**Project Title : R&A 20.1 DB Performance Tuning**

**Role : Developer**

**Technical Environment: Oracle DB, SQL, Core Java**

The project to analyze the Oracle FB Reporting and Analytics 20.1 Database performance. Run multiple tests with large sets of data to monitor the performance of database. Monitor database, analyze the issues, debug and improvise the performance.

**Responsibilities:**

* Monitor the performance of the database using Oracle Enterprise Manager.
* Install the Oracle Enterprise Manager DB Express, OEMCC and add databases to track and monitor the performance of the databases.
* Developed new tool **“Data Generator”** to populate larger sets of data to the database.
* Write the Shell scripts to monitor the database alert logs, trace files and pull errors and generate error reports.
* Develop new Cron jobs on Database Server host to remove the piled up trace, alert files and delete the archived log files.
* Generate AWR and ASH Reports whenever required to track the performance issues.
* Analyze the reports, troubleshoot the issues and fine tune the database performance by providing necessary database parameters.
* Analyze the queries that take longer time and tune the queries to improvise performance.

**Project Title : Unified Reporting and Analytics**

**Role : Senior Analyst**

**Techinal Environment : Oracle DB, SQL, Core Java**

**Duration : Dec 2015 to Jul 2016**

A solution to unify the Food & Beverage and Hotel data to offer unified reporting across the entire Hospitality applications. This solution includes designing a common operational data store to enable all reporting, BI, and analytical use cases from a centralized reporting database rather than directly accessing the OLTP database. Unified R&A offers data aggregation, business intelligence and analytical reporting (OLAP Cubes and Data Marts) to review Hotel’s historical performance and make forecasts on key performance indicators.

**Responsibilities:**

* Understanding the Requirements and functionality of the system and preparing High Level Scenarios and preparing test cases as per requirement.
* Developing automation scripts and writing up the complex SQL Queries to validate the ETL.
* Designed and Developed Automation Framework using Selenium, Preparation of Automation Test Suite, and Execution of automations scripts and reporting the bugs.
* Involved in Designing of Automation Framework using Selenium, Preparation of Automation Test Suite, and Execution of automations scripts and reporting the bugs.
* Defect Management and Defect Tracking using JIRA.
* Co-ordination with on-site and off-shore technical support team for Defect Analysis and Resolution.
* Training and guiding the new team members to the project.
* Periodically obtaining feedback from Manager and consciously working towards improvement.

**Previous Organization – Tech Mahindra Pvt. Ltd**

**Project Title : Accounting and Corporate Regulatory Authority**

**Role : Analyst**

**Techinal Environment : Oracle DB, SQL, Core Java**

**Duration : May 2015 to Dec 2015**

The Accounting and Corporate Regulatory Authority (ACRA) is the national regulator of business entities and public accountants in Singapore. ACRA also plays the role of a facilitator for the development of business entities and the public accountancy profession. The mission of ACRA is to provide a responsive and trusted regulatory environment for businesses and public accountants.

**Responsibilities:**

* Understanding the Client Requirements and functionality of the system and preparing High Level Scenarios and preparing test cases as per requirement.
* Performing database testing and identifying the database related test cases and build complex SQLs to test them.
* Identifying the regression test cases and creating of Automation test suite using Selenium Web Driver and Test NG.
* Designing and developing the automation scripts of Regression test using Java and Selenium Automation framework and reporting the bugs.
* Proficient in devising the Test Case Package, Traceability Matrix, Defect Reports and Test Summary Reports.
* Co-ordination with on-site and off-shore technical support team for Defect Analysis and Resolution.
* Periodically obtaining feedback from Team lead and consciously working for improvement.

**Project Title : Local Service Request Validator**

**Role : Analyst**

**Techinal Environment : Oracle DB, SQL, Core Java, Selenium**

**Duration : May 2012 to April 2015**

It is Multiple Number Portability application use to port customers to switch between various Local Exchange Carriers (LECs). LSRV is Legacy T Business LSR application with interfaces to Verizon East, Verizon West, Qwest, ATT\_TELCO, ATT\_SE for LSR ordering and pre-ordering functions in support of UNE-P and TSR-based business offerings.

**Responsibilities:**

* Understanding the Client Requirements and functionality of the system and preparing High Level Scenarios and preparing test cases as per requirement.
* Performing System testing, Integrated System testing, Functional testing and Regression testing.
* Identifying the regression test cases and creating of Automation test suite using Selenium Web Driver and Test NG.
* Involved in Execution of Selenium Automation Test Suite and reporting the bugs.
* Proficient in devising the Test Case Package, Traceability Matrix, Defect Reports and Test Summary Reports.
* Co-ordination with on-site and off-shore technical support team for Defect Analysis and Resolution.
* Periodically obtaining feedback from Team lead and consciously working for improvement.

I hereby declare that all the details furnished above are true to the best of my knowledge.

(Raghava Vamsi Karanam)