**Karan Raj**

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**Professional Summary:**

* 8+ years of Experience working with Oracle 11g/10g/9i, Toad, SQL\*plus, SQL \* developer, SQL\*loader, MS SQL Server and Business Intelligence products.
* Experience in all phases of Software Development Life Cycle (SDLC) such as Requirement gathering, Analysis, Development, Testing, Implementation and Support.
* Experienced in writing SQL statements, PL/SQL code for the database objects such as tables, views, indexes, sequences, procedures, functions, packages, and triggers.
* Perform XML operations for data extracts, data retrieval and data storage.
* Hands on experience in writing, maintaining, testing and debugging code in applicable programming languages.
* Worked extensively on Erwin and ER Studio in both OLAP and OLTP applications.
* Practical understanding of the Data modeling (Dimensional & Relational) concepts like Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables.
* Experienced in writing SQL queries and SQL tuning, understanding requirements, writing functional specs, writing test specs and plans.
* Strong development and support knowledge on Oracle, SQL, PL/SQL,T-SQL queries programming and creating objects such as Stored procedures, packages, functions, triggers, tables, and views.
* Expertise in Optimizing Database performance, Hints, Indexing, Materialized View, Partitioning, Parallel processing, pipelining, managing locking scenarios for multiple users.
* Expert in Developing SSIS (SQL Server Integration Services) Packages Extracting, Transforming and Loading (ETL) data into the Data warehouse from Heterogeneous databases such as Oracle, DB2, Sybase and MS Access.
* Experience in all major versions of technology stack including Database, Forms, Reports, PL/SQL.
* Expert in writing parameterized queries for generating tabular reports, formatting report layout, sub reports using global variables, expressions, functions, sorting the data, defining data source and subtotals for the reports using SSRS (SQL Server Reporting Services) 2005/2008/2008R2.
* Comprehensive Experience in various types of oracle technology based projects in multi-tier environment for sectors like Banking, Insurance and Manufacturing.
* Excellent writing, presentation, documentation and communication skills for the management, development.
* Team player with proven ability to introduce change and move an organization towards and innovative Technology.
* Experience in Data Warehousing and ETL using Informatica Power Center.

**Technical Expertise:**

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| --- | --- |
| **Databases** | Oracle 12c/11g/10g, Ms SQL |
| **Languages** | SQL, PL/SQL, XML, C++ |
| **Oracle Tools/GUI** | Forms 9i/10g, Reports 9i/10g, Discoverer 11g |
| **Tools** | PL/SQL Developer, TOAD, SQL Developer, Oracle SQL\*Plus, SQL Navigator, PUTTY (Unix/Linux Utilities) ( , UNIX Shell Scripting) |
| **Web Technologies** | Microsoft Internet Information Server (IIS), VBScript, JavaScript, CSS, DHTML, XML |
| **Operating Systems** | Windows Family, ADP Vantage, ADP Workforce Now |

**Educational Documents:**

* **Master of Science (Information Systems)** from Harrisburg University of Science and Technology.
* **Bachelors in Computer Science and Engineering** from JNTU, Hyderabad, India.

**Professional Experience:**

**Fifth Third Bank, Cincinnati, OH May’2017 – Till Date**

**Senior Oracle PL/SQL Developer**

**Responsibilities:**

* Developed control files for SQL\* Loader and PL/SQL scripts for Data Extraction/Transformation/Loading (ETL) and loading data into interface Tables (Staging area) from different source systems and validating the data.
* Created database objects like Tables, views, procedures, functions, packages, materialized views and Indexes.
* Wrote complex queries including Sub queries, Joins, Unions, Intersect and Aliases.
* Developed several procedures and functions using advanced Oracle concepts such as REF CURSORS and BULK COLLECTS, INDEX BY TABLES and FORALL statements to improve performance in insert and update statements.
* Performed unit and integration testing of the applications created using PL/SQL modules and used PVCS for version control in team development.
* Wrote complex SQL queries including inline queries and sub queries for faster data retrieval from multiple tables
* Extracted data from different sources like Oracle, Flat files, External files and transformed the data based on Business requirements and loading into Oracle target database.
* Extensively involved in performance tuning using Explain Plan, DBMS\_PROFILER, Optimized SQL queries and created Materialized views for better performance.
* Extensively used error and exception handling techniques for validation purposes in code.
* Involved in fine tuning the existing packages for better performance and providing on-going support to existing applications and troubleshooting serious errors when occurred.
* Developed an effective Error Mechanism by creating Monitor, Error-Log Tables using Autonomous transactions
* Designed and maintained project data models like ERDs (Entity Relationship Diagrams) using Toad Data Modeler tool using forward as well as Reverse Engineering techniques.
* Interacted with developers and Quality Assurance team for resolving application and database related problems.
* Extensive testing was done on the programs for achieving accuracy, timely processing of data.

**Environment:** Oracle 10g, SQL\*Plus, TOAD 9.7.2, SQL Developer, Cognos 8.4, Windows 7.

**Paccar, Renton, WA Jan’2016 – April’2017**

**Oracle PL\SQL Developer**

**Responsibilities**:

* Analyzed Internal & External Source systems and Business Requirements to develop Health Insurance Claims Data warehouse LOGICAL AND PHYSICAL MODEL (Facts and Dimensions) and Business Process Model.
* Developed back end interfaces using Tables, PL/SQL packages, stored procedures, functions, Collections, Object types specifically for financial reporting.
* Worked on tuning the SQL Queries for better performance and troubleshooting development problems by using Hints, Indexes, Partitioning and analyzing the Stats updates.
* Performed subsequent alterations using SQL, PL/SQL to make any changes on adhoc requirements.
* Implemented Business Rules using PL/SQL Procedure/Packages with complex water fall calculations.
* Developed PL/SQL Procedures, Functions and Packages for Business Intelligence.
* Actively involved in Data Mapping of tables from Source system to Target system, including preparation of Entity Relationship Diagram.
* Involved in Data Extraction, Transformation and Loading (ETL process) from source to target and worked on Windows Batch scripting, scheduling jobs and monitoring logs.
* Worked on Data Migration and Production support for the backend database and reporting applications.
* From staging area, data is processed and modified as per the requirement and then loaded to integration area through stored procedures and ETL mappings.
* Mappings are also used in loading the target databases which is usually on different schema and the data is transformed in the process before loading to target.
* Used SQL\*Developer for creating all types of PL/SQL objects like tables, Indexes, packages, triggers, sequences and stored procedures.
* Developed and modified Oracle packages, stored procedures, functions, Scripts, synonyms, tables and indexes to implement business requirements and rules.
* Applied optimizer hints to tune the queries for faster performance.
* Modified the procedures, functions and views based on the changes as per the business requirements in PL/SQL.
* Developed UNIX Shell scripts to automate table creation, execute procedures.
* Migrated data from Flat Files to Oracle database using SQL\*Loader.
* Encapsulated PL/SQL procedures and functions in packages to organize application.
* Created PL/SQL program units to include DML, DDL statements using Dynamic SQL.
* Performed complex data manipulation using foreign functions written in C and PL/SQL language.
* Created and managed primary data base objects such as Tables, Indexes, Sequences, and Synonyms, materialized views.
* Implemented Data loading process using UNIX Korn shell scripts resolved application issues in UNIX production environment. Read and interpreted UNIX logs
* Created Packages and Procedures for the batch load process and real-time process.
* Processing the data received from different source.
* Involved in importing Source Tables from the different databases.
* Used UNIX Shell scripts (KORN) for Extracting and Parsing data from the files. FTP process is extensively used to send and receive the flat files.
* Involved in Performance testing, User Acceptance testing of the application and participated in Code and Design Reviews, Status meetings and Walkthroughs.
* Involved in continuous enhancement, optimization and fixing of problems.
* Provided technical support to the user about operational aspects.

**Environment**: Oracle PL/SQL, SQL, 10g/11g, Oracle Forms, SQL server, SQL Loader, ERWIN, TOAD Visio, Rational Rose Clear case and Clear Quest.

**Vanguard, Malvern, PA May’2014 – Dec’2015**

**Sr. Oracle Database Administrator**

**Responsibilities:**

* Database developing using Oracle 11g and UNIX shell script.
* Involved in interacting with the end-user (client) to gather business requirements and modeling the business requirements.
* Created mapping document between database objects and website objects for both front-end and back-end team to use.
* Created database objects like tables, views, synonyms, indexes and sequences.
* Analyzing the data needs for the customized reports. Mapping the data requirements developing Stored Procedures, Functions, Views, Materialized View and Triggers.
* Coded complex SQL queries to retrieve data from the database depending on the need.
* Created Cursors and Ref cursors to retrieve data needed.
* Built and maintained sequences.
* Experience in developing various kinds of triggers and used sequences to generate values for surrogate keys in data warehouse tables.
* Wrote complex functions to output group ids with complex logic using pre-defined sequences.
* Developed other database objects such as indexes and views when needed.
* Coordinate with the front-end design team to provide them with the necessary stored procedures, packages and the necessary data.
* Provided daily support for multi-task development, and worked on DEV/QA testing and interacting job between DEV/ QA/ PROD environment. Work with QA team to debug/fix issues.
* Involved in Unit Testing Stored Procedures and Functions.
* Worked with front-end team to handle QA move & Prod move, create moving sheets to make sure FE and BE are in sync.
* Perform database tuning, make complex SQL statements simple and easy to read, and make queries more efficient.
* Worked on PL/SQL Error/Exception handling.
* Wrote shell scripts to load data (SQLLDR), run spool jobs, retrieve data from database and create daily jobs to automatically updating tables and views.
* Created technical Documents including task processing document updating and test case preparing.

**Environment**: Oracle 11g, TOAD, Oracle Navigator, Putty, PL-SQL, UNIX/Linux, SQL Loader, MS Communicator

**United Health Group, Bangalore, India Jan’2012 – Dec’2013  
Oracle Database Administrator**

**Responsibilities**:

* Involved in supporting an environment having more than 60 database instances of around 60-70G each, involving the Data warehouse and the OLTP databases.
* Installed, Created and Maintained Oracle 8i, 9i and 10g instances and Databases in Solaris Environment.
* Extensive Performance Tuning at all levels (Database, Segment, Extents and Block level). Installed and used Statspack reports.
* Created users and performed replication as and when desired.
* Created sequences, synonyms, database links based on developer requests.
* Maintained Database security according to requirements. (Granted roles and privileges.)
* Deployed and configured environment for Dataguard.
* Instantiated standby database in dataguard environment. Tested various scenarios like Failover, Switchover, and Activation etc.
* Enhanced performance of database objects by removing performance bottlenecks like removing chained rows in the table, and configuring various storage parameters like PCTFREE, PCTUSED,INITIAL\_EXTENTS, MAX\_EXTENTS etc
* Scheduled jobs to run in Oracle Enterprise manager and Cron utility and also DBMS\_JOB package.
* Scheduled statistics for updating using various Analyze commands.
* Query optimization (Use of EXPLAIN PLAN and TKPROF).
* Monitored and tuned the performance and space requirements of Oracle databases on live and development servers.
* RMAN and User managed Backup and recovery.
* Involved in Change Control using Mearant Version Manager.
* Refreshed database from the Production to create a fresh copy of production database on daily basis for testing.
* Thorough with Real Application Clusters Architecture and Environment.
* Performed migration from oracle 9i to 10g.
* Performed database migration between servers.
* Configured Application and Web Servers for redirecting data to the databases.

**Environment**: Oracle 9.2.0, Oracle 10.1g, HP-UNIX, Oracle Enterprise Manager (OEM), Database Configuration Assistant (DBCA), Oracle Management Server, Net Configuration Assistant, Oracle Net Manager, Database Migration Assistant, SQL \* Loader, Toad, Visual Source Safe, Telnet, FTP

**Rotech Info Systems Pvt. Ltd, Hyderabad, India. Feb’2010 –Dec’2011Jr. Oracle DBA**

**Responsibilities:**

* Thorough with Oracle server architecture and design. (SGA+PGA+BGProcesses+Database).
* Created scripts to replicate the schemas from one server to another. (Export and Import utilities were used).
* Created scripts to rebuild all indexes in the database/schema.
* Developed PL/SQL packages involving creating cursors, procedures and functions.
* Requirement Study, Analysis and Design.
* Creation and maintenance of tablespaces (LOCALLY and DICTIONARY managed).
* Creation and maintenance of tables, indexes, users and other schema objects.
* Partitioning tables for enhancing performance.
* Application tuning by optimizing SQL statements.
* Query optimization (using various hints and optimizer modes).
* Transport of various database objects like schemas, tablespaces and tables from one database to another.
* Wrote PL/SQLTriggers for validation of data.
* Communicated with the end users to get their feedback about the completed application.
* Installation and configuration of Oracle 9i Database Server and the oracle 9i developer suite.
* Tuned complex queries for performance using Explain Plan, SQL\_TRACE, and TIMED\_STATISTICS, HINTS like FTS, NO\_INDEX.
* Applied DCR'S and SCR'S on the developers' request.
* Maintained source code changes through Visual Source Safe.

**Environment**: Oracle 9.2.0, Oracle 10.1g, HP-UNIX, Oracle Enterprise Manager (OEM), Database Configuration Assistant (DBCA), Oracle Management Server, Net Configuration Assistant, Oracle Net Manager, Database Migration Assistant, SQL \* Loader, Toad, Visual Source Safe, Telnet, FTP

**Skills*:*** Database (8 years), Oracle (8 years), PL/SQL (8 years), SQL (8 years), UNIX (8 years)