# Praveen Chowdary

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**Professional Summary:**

About 7 years of programming experience as an Oracle PL/SQL Developer in Analysis, Design, Data Modeling (Logical and Physical), and Development of client/server and multi tired applications using the Oracle Relational Database Management System(RDBMS), SQL, and PL/SQL on different platforms like Windows NT/2000/XP, UNIX and Linux. Good experience of **Performance Analysis** and **SQL query tuning,** while designing scalable applications from scratch and maintaining existing ones, using**Query Optimizer, Indexes, Execution Plans, Hints, TK- Prof andExplain Plan**

* **Proficient in PL/SQL programming** – Stored Procedures, Functions, Packages, SQL tuning, and creation of Oracle Objects – Tables, Views, Materialized Views, Triggers, Sequences, Synonyms, Database Links, and User Defined Data Types.
* Proficient in Oracle 11g/10g/9i/8i/7.3, PL/SQL back end applications development Toad, SQL Plus, and PL/SQL Developer.
* Experience with data flow diagrams, data dictionary techniques, Entity relation modeling and design techniques, database normalization theory.
* Expertise in Database **Performance Tuning, Performance Monitoring** and Optimization using **Oracle Hints, Explain plans,Tk-Prof and Table Partitioning**.
* Experience in creating **SQL loader scripts** to load data from flat files into the database and also creating **External Tables** to manage data which is store at the OS level.
* Ability to coordinate several tasks at a time and excellent decision-making skills, demonstrated excellent problem solving and active listening skills.
* Mentored and trained junior team members.
* Excellent logical/physical data models and defined primary key, foreign key using Erwin tool
* Part of a development team for creation and maintenance of **custom apps/reports**.
* Experienced in Dynamic SQL, PL/SQL Collections and Exception handling.
* Expertise in implementing ETL (extract, transform and load) by using Oracle Warehouse Builder (OWB).
* Experience in migration of source code using version control system (**CVS, Arch, Visual source safe, SVN, TFS**).
* Excellent analytical, problem solving, communication and inter-personal skills to manage and interact with individuals at all levels. Able to interact effectively with other members of the Business Engineering, Quality Assurance and other teams involved with the System Development Life cycle.
* Experience in advanced PL/SQL concepts like Bulk collect, Multi Table insert, PL/SQL table, Cursors, Nested tables, Varrays, Records, Types and Dynamic SQL for DML operations for better performance.
* Worked on **Oracle Forms**10g/9i/6i**Reports**10g/9i/6i.
* Experience in conducting Requirement and Systems Analysis, Feasibility Studies, Design Reviews, Plan Reviews, Implementation, and Post Implementation surveys. Highly skilled in Design, Development, Implementation, and Testing of business applications, Unit and System testing on database.
* Well-versed with different stages of Software Development Life Cycle (SDLC).
* Extensively used PL/SQL to build**Oracle Reports 10g** and views for processing data, enforcing referential integrity and needed business rules.
* Experienced in Tuning Queries for better performance with large volume of data. Extensive experience in developing applications using Oracle Forms / Reports. Experience in almost all the versions of Forms/Reports.

**Key Skills:**

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| Languages | SQL, PL/SQL, Unix Shell Scripts, JSP, C, C++, java, CSS, HTML, XML. |
| RDBMS | Oracle 11g/10g/9i/8i, MS-SQL Server 2000/2005/2008, Sybase, DB2 MS Access. |
| Oracle Utilities | SQL\*Plus, SQL\*Loader, SQL developer, TOAD. |
| GUI Tools | APEX 4.2,3.2,Oracle Forms 10g,9i,6i and Reports 10g,9i,6i ,ERWIN,VISIO, Golden gate, Autosys Control-M, JIRA and HP quality center. |

**Work Experience:**

**Inovalon, Herndon, VA June 2013 – Till Date**

**Role: sr. Oracle PL/SQL Developer**

Inovalon is superior in the global data - driven solutions it also provides impactful community initiatives and leadership in improving Health care. The main project goal was to focus on information in **electronic health record**billing for health insurance, hospitalsand also deals with millions of complex patient records through **(EMR/EHR)**

**Responsibilities**

* Involved in developing **Data models**, **Data dictionaries**, **mapping documents** and **cross functional documents** across systems for all the ETL needs.
* Created **data accuracy** and **consistency reports.**
* Created complex relational database queries/SQL, dynamic SQL.
* Used various report items like tables, sub report and charts to develop standard and customized reports
* Worked on designing, coding, testing and maintaining database objects, tables, views, packages, functions, procedures, indexes, sequences and triggers using Oracle PL/SQL.
* Developed the **ETL** mappingsin **PL/SQL**via **packages, procedures, functions, views** and**triggers**.
* Built physical data structures like tables, views, constraints & Indexes.
* **Designed SSIS Packages**to transfer data from various sources like**Text Files, XML Files, Excel, Flat files to SQL Server 2008.**
* Loaded the data into database tables using **SQL\*loader** from **text and excel files**.
* Developed data model, **SQL Queries**, SQL Query tuning process and Schemas.
* Developed SQL scripts for **Referential Integrity check**, which checks validity of incoming data with master tables in database.
* DesignedSSIS Packagesto transfer data from various sources likeText Files, XML Files, Excel, Flat files to SQL Server 2008.
* Involved in physical and logical data modeling using **Erwin**.
* Application Development may involve interfacing with the following tools: PL/SQL, Oracle Forms, Oracle Reports, Crystal Reports, and/or Oracle APEX.
* Part of a development team for creation and maintenance of **custom apps/reports**.
* Created complex stored procedures to collect, analyze, and report on data across multiple functional and line of business systems in response to customer requirements.
* Created **ETL design** specifications.
* Solid understanding of both the business and the technical aspects of BI Solutions.
* Created table partitioning based on the systems and date range.
* Used **SQL\*Loader** with both direct and indirect load methodologies.
* Query optimization using **Explain Plan & TK Prof** utility.
* Developed extraction, transformation and loading scripts using **SSIS**.
* Created **SQL** and **PL/SQL** scripts to **detect data defects/anomalies** in systems.
* Converted T-SQL to PL/SQL or vice versa to report data consistency cross multiple databases.
* **Created business rules** to **report** all expected **missing/defect data**.
* Involved in Huge data migrations, transfers using utilities like SSIS, **Bulk Copy Program** (BCP) and Bulk Insert.

**Environment**: Oracle 11g, PL**/**SQL**,** SQLLoader, Cognos, ODI, SQL\*Plus, Windows NT 4.0/2000/XP, Microsoft sql server 2008.

**TIAA-CREF, Charlotte, NC Mar 2012 – May 2013**

**Role: Sr. Oracle Developer**

TIAA-CREF is a diversified financial services company that provides leading retirement plans. The project involved in development of customer service information system for various services provided to customers and data extraction. This system maintains information about customer details, products, provider details. Other important feature of this application is that it keeps track of the details of provider claims and the payment history.

**Responsibilities:**

* Used SQL **hints** and Indexes as needed to improve SQL performance.
* Filtered and Loaded data from different formats of data sources into Database Tables.
* Pro-actively participated in SQL tuning, Used **ANALYZE**, **DBMS\_STATS, EXPLAIN PLAN, SQL TRACE** and **TKPROF.**
* Extracted required data from the database tables and exported the data to different sources in different formats.
* Worked with several tools to access and perform several operations on database
* Modify existing codes and developed PL/SQL packages to perform Certain Specialized functions / enhancement on oracle application.
* Part of a development team for creation and maintenance of **custom apps/reports**.
* Coordinate with the DBA for Table creation and other administrative activities.
* Responsible for analyzing tables and indexes regularly to keep the STATS up-to-date.
* Involve in **Data Extraction, Transformation and Loading (ETL process)** from Source to target And Worked on Windows Batch scripting, scheduling jobs and monitoring logs.
* Deliver solutions that are reliable, easy to maintain and meet or exceed established performance measures.
* Knowledge of developing BI solutions for enterprise processes such as financials, supply-chain etc.
* Create new database objects like tables, **Sequences, Procedures, Functions, Packages, Triggers, Indexes and Views** in Development and Production environment in Oracle **PL/SQL.**
* Extensive experience with building application using Oracle APEX.
* Worked on various tables to create Indexes to improve query performance. Also worked on partitioning large Tables using **Range Partitioning**, creating Index Organized Table, Rollback Table space.
* Involved in writing several Queries and Procedures.
* **Designed SSIS Packages**to transfer data from various sources likeText Files, XML Files, Excel, Flat files to **SQL Server 2008**.
* Designing of ER diagrams for Data Modeling was done using ERWIN Tools.
* Application Development may involve interfacing with the following tools: PL/SQL, Oracle Forms, Oracle Reports, Crystal Reports, and/or Oracle APEX
* Involve in the continuous enhancements and fixing of production problems.
* Worked with different teams to set up the development and test Autosys environments.
* Used SQL hints and Indexes as needed to improve SQL performance
* Work in Production Support Environment as well as QA/TEST environments for projects, work orders, maintenance requests, bug fixes, enhancements, data changes, etc.
* Solving the offshore technical issues and co-coordinating between offshore team and client.
* Pro-actively participated in SQL tuning, Used **ANALYZE, DBMS\_STATS, EXPLAIN PLAN, SQL TRACE** and **TKPROF**.
* Created Work Instruction Manual listing the possible failures and Recovery steps for each and every new job added as part of the project

**Environment:**Oracle 10g, SQL \* Plus, TOAD, SQL\*Loader, SQL Developer,Shell Scripts, UNIX, Windows XP**,**

**AmeriGroup Corp, Norfolk, VA Mar 2011 – Mar 2012**

**Role: Oracle Developer**

Amerigroup operate a community-focused managed care company with an emphasis on the public sector health care market. The executive team wanted to develop data integration services for large and complex databases using SQL. The project involved data migration and data warehouse development and also provided a variety of reports to support activities of the strategy planner teams.

**Responsibilities:**

* Worked with the Business analysts and the DBA for gathering, business analysis, testing, and implementation.
* Involved in logical modeling and physical modeling of database application and Developed **Stored Procedures, Functions, Packages** using **PL/SQL**.
* Involved in creation of Conceptual Modeling covering all the business requirements.
* Loaded the data into database tables using SQL\*loader from flat files.
* Developed SQL scripts, cursors, tables, views, materialized views as per the business requirements.
* Performed SQL and PL/SQL tuning and Application tuning using various tools like **Explain Plan, Tk-prof** and **Auto trace**.
* Developed Procedures for efficient error handling process by capturing errors into user managed tables.
* Part of a development team for creation and maintenance of **custom apps/reports**.
* Experienced with bulk collections and for all operations on tables to improve the performance of manipulation language statements.
* Coordinated with DBA in creating and managing tables, indexes, table spaces, auditing and data quality checks.
* Developed **UNIX Shell scripts** to **automate table creation**, **execute procedures** using **dynamic sql statements**.
* Worked on Data schema modeling and designed Database Schema using ERWIN tools and implemented Normalization on relational modeling.
* Developed data conversion procedures in PL/SQL. Involved in maintaining batch processing PL/SQL procedures for data extraction for feed creation.
* Experience in BI reporting and visualization tools such as: Business Objects, Micro strategy, MSBI (SSAS, SSRS and Performance Point), Cognos, Tableau, Crystal Reports, etc.
* Developed Shell scripts to automate execution of SQL scripts to check incoming data with master tables, insert the valid data into Customer Management System and invalid data into error tables which will be sent back to sender notifying the errors.
* Developed **Test Scripts**, **Test Cases**, and **SQL QA Scripts** to perform Unit Testing, System Testing and Load Testing.
* Extensively used Database Query tuning and performance tuning of reports.

**Environment:** Oracle 10g/9i, SQL, PL/SQL, SQL\*Loader, MS Access, UNIX Shell script, TOAD, Oracle Forms 10g,Reports10g, UNIX, Windows XP/2000.owb 10g.

**GEICO, Washington, D.C Oct 2009 -Mar 2011**

**Role: PL/SQL Developer**

GEICO is a second largest Auto Insurance Company. They have both the development and production environment, my duties focused on maintaining, and optimizing the existing databases; designing and implementing new database for various projects according to the requirement from clients; monitoring database performance and growth, performance tuning, establishing and administering database security in development, testing, and production environments.The scope of the project is to rewrite the existing assign and schedule implementation to meet the new business requirement and to overcome the performance issues

**Responsibilities:**

* Involved in designing ER diagram using oracle designer, to set the logical and physical relationships of database.
* Developed **Stored Procedures, Functions, Packages and SQL Scripts using PL/SQL**.
* Loaded the data into database tables using SQL\*loader from text and excel files.
* Developed data model, SQL Coding, SQL Query tuning process and Schemas.
* Worked with the Business analysts and the DBA for requirements gathering, business analysis, testing, metrics and project coordination.
* **Migration of dbms** jobs to control\_M.
* Scheduling jobs in control\_M and handling them.
* Used tortoise svn version control for changing the codes.
* Making changes to the existing apex applications in the production.
* Created **SQL\*plus reports** as per client's various needs, and developed business objects.
* Developed SQL Scripts, Packages and Procedures for Business rules check to implement business rules.
* Part of a development team for creation and maintenance of **custom apps/reports**.
* Used Bulk Collections, Indexes, and Materialized Views to improve the query executions.
* Used Ref cursors and Collections for accessing complex data resulted from joining of large number of tables in pl/sql blocks and even have experience with exception handling.
* Atomized routine jobs using **DBMS\_JOB**. On completion of these jobs an email will be sent out automatically with the help of **UTL\_MAIL**.
* Developed SQL and PL/SQL scripts to transfer tables across the schemas and databases.
* Performed SQL and PL/SQL Performance tuning and Application Tuning using various tools like **TKPROF, AUTOTRACE and DBMS\_SQLTUNE**.
* Data loaded from legacy systems (ETL Operations) using PL/SQL and SQL\*Loader.
* Developed Procedures for efficient Error Handling process by capturing errors into user managed tables.
* Archived many applications in the existing system and retrieval of necessary data from them.
* Developed **UNIX** Shell scripts to automate table creation, execute procedures.
* Worked with java developers to repair and enhance current base of PL/SQL packages to fix production issues and build new functionality and improve processing time through code optimizations and indexes.
* Used **ORACLE** sql **DEVELOPER** for creating **PL/SQL** (trigger, sequence, stored procedure).

**ENVIRONMENT:**Oracle 9i/10g, Reports 9i, SQL, PL/SQL, TOAD, SQL\*Loader, UNIX, MS Windows XP/2000, Oracle Development Suite.

**Sierra Atlantic Software Services ltd., INDIA Aug 2008 to Sep 2009**

**Client:** ATC(ECaR), USA

**Role: Oracle Developer** (Team lead)

ECaR is the system of record for collections activities. ECaR contains complex and compliant business rules within the application framework which processes about 1.8 million accounts per night. ECaR allows the users to call customers to collect across multiple products.

**Responsibilities:**

* Created and manipulated **stored procedures**, **functions**, **packages** and **triggers** using **TOAD**
* Delivering solutions that are reliable, easy to maintain and meet or exceed established performance measures.
* Used the advanced features of PL/SQL like Subtypes, Records, Tables, Object types and Dynamic SQL.
* Preparing the dataflow and designing the database using Erwin
* Providing technical assistance in identifying, evaluating and developing systems and procedures that are cost effective and meet business requirements.
* Created and modified **SQL\*Plus**, **PL/SQL** and **SQL\*Loader scripts** for data conversions.
* Creating technical design**.** Modifying code modules and compile build components in development environment.
* Validating and baseline the architecture. Identifying target and implementation strategy and release date.
* Performed SQL and PL/SQL tuningand Application tuning using various tools like **EXPLAIN PLAN**, **SQL\*TRACE, TKPROF** and **AUTOTRACE.**
* Created and modified **several UNIX shell Scripts** according to the changing needs of the project and client requirements.
* Identifying test execution strategy and scope andEstablishing test acceptance criteria.
* Supporting the application throughout the production release life cycle.
* Documenting **Business Requirements Document** (BRD) and **Project Initiation Review** Checklist (PIR).
* Strong analytical and problem solving skills.
* Creating database objects like tables, indexes, views, packages and procedures using PL/SQL Developer.
* Participated in **system analysis** and **datamodeling**
* Worked on XML along with PL/SQL to modify/create interface between systems.

**Environment:** Oracle 9i, SQL \* Plus, TOAD, SQL\*Loader, SQL Developer,Shell Scripts, UNIX, Windows XP

**GATI Transport - Hyderabad, India Jul 2007 – Aug 2008**

**Role:Database Developer**

EScaleTicketInfo application has the feature of storing the information about materials, companies and the users of the warehouse. This application generates an automated ticket for each truck with the details of materials that are carried on the truck and sends mails to the gatekeeper and financial department. This application also generates invoices every fortnight and sends the latest invoice to the finance department and also has the feature to see the previous invoices.

**Responsibilities**

* Used Oracle D**eveloper**to support JA Built complex queries using SQL and wrote stored procedures using PL/SQL in Various API’s like Java, .Net and Hierarchical databases like Oracle and Access.
* Developed and modified a number of **Forms** and for various modules. Also responsible for following up bugs reported by various users and suggesting possible patches to be applied.
* Wrote Shell Scripts for **Data loading** and **DDL Scripts**.
* Worked in Production Support Environment as well as QA/TEST environments for projects, work orders, maintenance requests, bug fixes, enhancements, data changes, etc.
* Used Oracle **Developer** to support JAVA, JSP and HTML codes used in modules.
* Wrote conversion scripts using **SQL, PL/SQL**, **stored procedures, functions** and **packages** to migrate data from SQL server database to Oracle database.
* Strong analytical and problem solving skills.
* Creating database objects like tables, indexes, views, packages and procedures using PL/SQL Developer.
* **Sequences packages** and **procedures.**
* Involved in **Logical & Physical Database Layout Design.**
* Set-up and Design of Backup and Recovery Strategy for various databases.
* Participated in **system analysis** and **datamodeling**
* Worked on XML along with PL/SQL to modify/create interface between system Performed Database Administration of all database objects including **tables, clusters, indexes, views,** Performance tuning of Oracle Databases and User applications.
* Used **SQL\*Loader** as an ETL tool to load data into the staging tables.
* Provided user training and production support.
* Improved the performance of the application by rewriting the **SQL queries.**
* Wrote packages to fetch complex data from different tables in remote databases using joins, sub queries and database links.

**Environment:**Environment: ORACLE 7.x, Reports 6i, PL/SQL, SQL LoaderAnd SQL.

**Education:**

* Bachelorsin Computer Sciences from JNTU, India.