**Muhammad M Alvi**

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US Citizen



**SUMMARY**

* Over eight years of experience in the IT industry focusing on analysis, design, development, testing and documentation of business applications.
* Excellent design, development and maintenance experience of applications using Oracle 11g/10g/9i, SQL, PL/SQL, Oracle Forms 10g/9i/6i, Reports 10g/9i/6i.
* Expertise in Oracle backend programming involving PL/SQL packages/ stored procedures/functions/triggers
* Expertise in requirements gathering, software requirements specifications, systems development, testing (unit, performance), reporting, application maintenance, application / production support.
* Expertise with Data Migration, Bulk Data loading and exporting using SQL\*Loader, Import/Export, and UTL\_File Utilities.
* Data integration and migration with over 5 years of extensive experience in leading the conversion and cleansing of multiple legacy data systems from different sources into Oracle databases.
* Proficient in configuring HOSTS file, TNSNAMES file, Parameter File, SQLNET file etc
* Proficient in tuning SQL queries using Explain Plan, Trace (TKPROF, SQL TRACE)
* Excellent data modeling skills. Good knowledge in using data modeling tools like ERWIN, and adept at Normalization Techniques for designing database with Relational technology on N-Tier Architecture.
* Great understanding of OLAP Data Warehousing processes and techniques on Oracle platform.
* In depth understanding of Dimensional Modeling techniques, Star and Snow Flake Schemas, Slowly Changing Dimensions, Late Arriving Facts.
* Extensive experience with creating Oracle ETL Scripts utilizing SQL Loader, Import/Export, External Tables, DBLinks, Materialized Views, Merge command etc.
* Good knowledge of Oracle web toolkit.
* Good exposure of Hadoop.
* Exposure to scheduling processes using UNIX Shell scripts, Cron jobs and other third party tools.
* Excellent understanding of SQL and OLAP functions for Business Intelligence purposes.
* Migration to Oracle Database from various data sources.
* Team player with excellent communication, problem solving organizational and interpersonal skills
* Maintain positive communications and working relationships at all business levels

**TECHNICAL QUALIFICATIONS**

**Relational DBMS:** Oracle 9i 10g 11g, MS SQL SERVER 2005, Teradata V2R5

**Operating System:** Red HAT LINUX, Windows

**Programming Language:** SQL PLSQL, Java, Java Script, C, C++, HTML, XML

**Oracle Tools**: Oracle Developer, SQL Loader, Import/Export, SQL\*Plus, SQL Developer, Toad, PL/SQL Developer 6.0, SQL Navigator, Oracle Discoverer 2000, Oracle Forms/Reports, ODI

**Software Application:** Microsoft Suite (Word, Excel, Power Point and Access), In Design, FrontPage and Dream weaver

**PROFESSIONAL EXPERIENCE**

**United Physician**

Location: Bingham Farms, MI

Mar 2016 – Apr 2018

**Senior Oracle PL/SQL Developer**

**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.
* Created Oracle PL/SQL stored Procedures, Functions and Packages to support ETL process.
* Worked on SQL\*loader to load data from flat files obtained from various facilities every day.
* Created database External tables, views, and indexes and partitioned existing tables.
* Performed unit, system and Integration testing for a given task.
* Gather requirements and design of Data Warehouse and data mart entities.
* Played role in design of scalable, reusable, and low maintenance ETL templates for Data Warehouse.
* Involved in the continuous enhancements and fixing of production problems.
* Extensively involved performance tuning using hints to direct the optimizer to choose an optimum query execution plan.
* Extensively work on HL7 messages.
* Creation of database objects like tables, views, and materialized views using oracle tools like toad and PL/SQL developer.
* Ensured timely completion of development projects within estimated costs and standards.

**Environment:** Oracle 11g/10g, PL/SQL, TOAD, HL7, Corepoint, MS Word, Ms Excel, Servers.

**UTC Aerospace System**

Location: Windsor Locks, CT

Feb 2015 - Feb 2016

**Oracle PL/SQL Developer**

**Responsibilities:**

* Design and development full life cycle development of new web applications and modification of existing applications to add new components and features emphasizing: maintainability, reliability, scalability and performance; estimation & capacity planning. Attending client meeting to discuss functional design for conversion programs.
* Perform data migration, cleansing and conversion throughout the project.
* Created Oracle PL/SQL stored Procedures, Functions and Packages to develop.
* Supervising new technologies and evaluated how they could be integrated / utilized to better serve our clients.
* Worked on writing scripts for Data Deployment.
* Use Hadoop for big data.
* Created database tables, indexes and partitioned existing tables.
* Performed unit, system and Integration testing.
* Created Oracle reports and forms on demand.
* Perform DBA task.
* Handled database server tuning, application tuning, maintaining documentation, and capacity planning and database security.
* Conducted peer design and code reviews and extensive documentation of standards, best practices, and ETL procedures for Data Warehouse
* Implemented complex transformations for Data Warehouse by creating custom transformations in addition to using built-in ones.
* Ensured timely completion of development projects within estimated costs and standards.

**Environment:** Oracle 11g/10g, PL/SQL, Hadoop, TOAD, UNIX, Forms Oracle Reports 10g, MS Word, Ms Excel.

**Priority Health**

Location: Grand Rapids, MI

Nov 2012 – Jan 2015

**Oracle PL/SQL Developer**

Priority Health is a health and wellness organization providing customized, nationally recognized health plans that meet the needs of large and small employers, families and individuals through a variety of programs including Medicare Advantage and Medicaid.

**Responsibilities:**

* Worked on designing, coding, testing and maintaining database objects, table, views, packages, functions, procedures, indexes, sequences and triggers using Oracle PL/SQL.
* Attending client meeting to discuss functional design for conversion programs.
* Worked on raising, handling and fixing defects in HP QC (Quality Centre).
* Created Oracle PL/SQL stored Procedures, Functions and Packages to develop.
* Worked on writing programs for Data Conversions.
* Maintained existing data migration program with occasional upgrades, enhancement and conversion.
* Performed data migration enforcement task.
* Worked on Bulk loader utilities like Sql loader for moving data from external files into the Oracle database.
* Extensive knowledge on HINTS and complex queries.
* Created database tables, indexes and partitioned existing tables.
* Performed unit, system and Integration testing.
* Good understanding of Informatica.
* Developed complex reports for Data Warehouse using multiple data providers, user defined objects, aggregate aware objects, charts, and synchronized queries.
* Design, develop and unit test new features, enhancements and interfaces for APEX web application
* Used Oracle APEX 4.0 for designing application structure.
* Expertise in Oracle APEX design and application
* Created Oracle reports on demand.
* Worked on checking log files on UNIX while working on support for production environment.
* Experienced on the tasks required to establish, to a high degree of assurance, that a system is performing its intended functions according to pre-defined specifications.
* Ensured timely completion of development projects within estimated costs and standards.
* Assisted in the implementation of programs to educate management and users in information processing and system capabilities, uses and requirements.
* Tasked to review and evaluate proposed system design resolutions (such as table structure, table relationships) and determine feasibility and practicability in real time environment.

**Environment:** Oracle 11g/10g, PL/SQL, TOAD, UNIX, APEX, Informatica, Forms Oracle and Reports 10g, MS Word, Ms Excel.

**HMI**

Location: Ann Arbor, MI

Apr 2010 – Oct 2012

**Oracle Developer**

Health Media (HMI) is the global leader in online delivery of behavior change interventions. The behavioral support programs create unique health improvement plans for each individual. This plan and the subsequent continued care plans teach the participant how to achieve his or her individual goals.

**Responsibilities:**

* Gathered business requirements through close interaction with all the stakeholders.
* Document, design, and developed end-to-end ETL processes in PL/SQL.
* Involved in mapping data from different sources to the Target OLAP environment.
* Developed complex SQL, PL/SQL stored procedures, functions, packages.
* Worked Extensively on PL/SQL cursors and ref cursors.
* Develop PL/SQL scripts (package, procedures, functions, ETL scripts) using Oracle collections (Bulk collect, Forall), merge, global temporary tables, external tables, parallel processing, analytical functions etc.
* Develop, test and fine tune ETL scripts (PL/SQL) and Shell Script jobs.
* Extensive use of SQL Loader for loading data from different sources including ILI and different insurance clients, into the staging area.
* Developed and deployed Materialized Views that were effectively used in auditing of the data quality between the source and the target.
* Develop Unix shell scripts to trigger jobs at specific time and also based on the file arrival in the inbound area
* Designed and developed various Tables and Views using Oracle 11g based on existing application and new logic/processes.
* Performed initial data migration, subsequent data migration and validated the data been converted.
* Actively engaged in understanding the client’s requirements and processing application flow for new enhancements and upgrades for the existing system.
* Developed UNIX shells/scripts to support and maintain the implementation.
* Involved in performance tuning of SQL and PL/SQL applications (indexes, analyzing explain plan, optimizer hints).
* Involved in scheduling applications using Cron tab.
* Troubleshoot, fixed, and implemented bug fixes and enhancements within tight deadlines.
* Worked on a number of key enhancement requirements and responsible for adding extra functionalities to some of the most crucial modules.
* Interacted with the client IT team and the business team to resolve issues and dependencies.
* Pro-actively provided point-wise feedback on progress made, issues outstanding etc.
* Involved in User Acceptance testing to ensure the business requirement is complete.

**Environment:** Oracle 11g/10g, FIT Issue Management, UNIX, Toad, Oracle Reports 10g, Oracle Forms, Cron Tab

**EDUCATION**

* Bachelor of Computer Science, VU, Islamabad, Pakistan