**Jignesh Patel**

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**Summary**

* 18 years of strong programming experience as PL/SQL Developer.
* 12 years Strong experience with SQL Tuning
* 8 years of strong experience with ETL programs, data processing, data cleansing, data mart
* 4+ years of experience in developing ETL programs using Informatica PowerCenter.
* 6+ years of experience in Data Modeling which includes creation of logical and physical data models for OLTP applications as well as Data warehouse schemas.
* Experience in requirement analysis, effort estimations, Impact analysis and Unit Testing.
* Strong experience in Oracle PLSQL Development (Packages, Procedures, Functions and Triggers).
* Strong Experience in Oracle supplied packages and Oracle Utilities, SQL Loader, Oracle Job Scheduler, Materialized views, and Partitions.
* Strong experience with loading data from delimited files, fixed length files, multi format records, XML file and database sources.
* Strong experience SQL Performance tuning using Oracle provided structures and diagnostic tools (SQL Trace, AUTO Trace, Explain Plan and AWR).
* Hands on experience of storage planning, troubleshooting performance issues, User management in Oracle database.
* Strong Experience in UNIX Shell scripting.
* Experience with Oracle Analytical Queries and Hierarchical Queries
* Effectively used advanced SQL, Analytical SQL to build OLAP cubes
* Created database design (3NF, Start schema and Dimension modeling) for application migration, new applications, data warehouse and ETL process
* Worked on data loading techniques using SQL loader, external tables, import export and Informatica power center tools
* Developed many reusable PL/SQL and UNIX components for needs like data retrieval, saving data, batch framework, data archival, data purging.
* Demonstrated expertise in SQL and PL/SQL Tuning using various tools like SQL trace, AWR, SQL Monitoring
* Worked as SME throughout various phases of project life cycle like Requirement analysis and review, design specification, development
* Created Informatica Mappings, Sessions, Mapplets, workflows and Worklets.
* Have great knowledge and exposure to creating reports using Oracle BI Publisher, Tableau and Business Objects

**Tools and Technology**

 Databases: Oracle 9i, Oracle 10g, Oracle 11g, Oracle 12c

 Programming: PLSQL, Unix Shell scripting, Core Java, Informatica Power Center

 Task Management Tools: SharePoint, JIRA, Rally, Microsoft Excel

 Programming Tools: PLSQL Developer, Toad, Oracle SQL Developer, VI Editor, Eclipse, Maven,

 Data Modeling: Erwin, Sybase Power Designer

**Education:** Bachelor’s Degree in Computer Engineering**,** Sankalchand Patel College of Engineering, Visnagar, Gujarat, 2003, India.

**Certifications:** Oracle Certified Professional - Oracle DBA

**Professional Experience**

## ADP, PASADENA, CA Jan 2017 – till date

## PL/SQL Lead

**Project Held:**

Tax modernization

Project is about re-engineering the tax engine which focuses on adapting to flexible architecture and renewed data model and data processing mechanism. The solution integrates with multiple external systems and provides wide varieties of options to service provide to handle client/agency relationships. It provides more intuitive experience for service associate with clear visibility into data and reports. It focuses on increased automation, streamlined UI for quicker processing, reduced defects resulting in filling errors.

**Responsibilities:**

* + Create design document according to enhancement request by business
	+ Develop data model to optimize existing data flow and core PLSQL packages, procedures, and functions.
	+ Managed agile team to complete quarterly rollout into production
	+ Extensively worked in Oracle SQL, PL/SQL, SQL\*Plus, SQL\*Loader, Query performance tuning.
	+ Create PLSQL libraries/programs to be used by middleware, data processing engine
	+ Involve extensively in SQL query tuning and PLSQL Programs tuning using Oracle database diagnostic tools (PLSQL Profiler, AUTO Trace, Explain Plan, AWR and V$statistics views)
	+ Worked on performance tuning issues. Helped DBA to understand and baseline the SQL plans
	+ Worked on correction and reversal area to implement new features.
	+ Assessed and computed statistics to optimized response time for queries while creating complex SQL queries and dynamic SQL throughout the project life cycle
	+ Generated PLSQL programs for change capture, data processing, transformations, data loading, automation scripts, workflow processing routings and middle tier interfaces while using oracle utilities like SQL Loader, External Table, and oracle job scheduler
	+ Introduced various oracle structures like Materialized views, Partitions, and Indexes at the same time using performance tuning features like Optimizer statistics, Explain Plan, AWR, SQL Tuning advisor, ADDM and dynamic performance view to diagnose and resolve performance issues
	+ Created Logical and Physical data models
	+ Took several responsibilities including storage management, database scripts creation and deployment, VPD implementation, backup, and recovery
	+ Defined database archiving, purging strategies & documenting
	+ Managed UI Facing programs, Workflow routines, and automation codes
	+ Maintained Oracle database schemes, tables, standards, views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, and other database objects
	+ Generated PL/SQL packages, stand-alone procedures, and stand-alone functions
	+ Coordinate with the Reporting Team to produce supporting data structures for business intelligence (BI).
	+ Contribute in evaluating, designing, developing, and coding data integration; gathering user requirements; and translating user requirement into technical specification documents
	+ Develop data model to optimize existing data flow and core PLSQL packages, procedures, and functions to improve ETL programs, data calculation, Rules implementation and File Import
	+ Coordinate with the Reporting Team to produce supporting data structures for business intelligence (BI).
	+ Extensively worked in Oracle SQL, PL/SQL, SQL\*Plus, SQL\*Loader, Query performance tuning.
	+ Create PLSQL libraries/programs to be used by middleware, data processing engine and Rules processing engine
	+ Created PLSQL programs to generate and validate XML contents to submit electronic filling to Agencies.
	+ Involve extensively in SQL query tuning and PLSQL Programs tuning using Oracle database diagnostic tools (PLSQL Profiler, AUTO Trace, Explain Plan, AWR and V$statistics views)
	+ Enhanced logging framework and instrumented PLSQL code to reduce the time taken to diagnose issue.
	+ Achieved 3x performance benefit after refactoring code of PL/SQL package
	+ Achieved SQL performance tuning using oracle views, result cache for functions.
	+ Improved SQL performance using various techniques like optimized joins, Indexes, Histograms, and better statistics.

**Tools:** Oracle Database 12c, Oracle SQL Developer, PLSQL Developer, TOAD, UNIX, GITHub, and Sybase Power Designer, Microsoft Excel.

## SEI Investments, Oaks, PA Oct 2018 – Feb 2019

## PL/SQL Lead

**Project Held:**

**SEI Wealth Management:**

SEI Wealth Platform is an end-to-end solution that enables firm to provide a comprehensive, modern, and fully integrated advisor and client experience that supports front-, middle-, and back-office services all within a single infrastructure. Integrating technology, operational outsourcing, and asset management in one solution, the Platform is designed to manage evolving needs, operate seamlessly in global markets, and drive greater efficiency throughout wealth management business. It provides various modules like cash processing, fee processing, portfolio management, transaction inquiry and correction and reversal. System also provides support for clients and accounts enrollment, maintenance, and reporting. Activity management provides framework to load and run high volume jobs (Trade booking, reversal and correction, portfolio corrections) using optimized infrastructure and load balancing. Client and account opening modules are integrated within the platform.

## Responsibilities:

* + Create design document according to enhancement request by business
	+ Develop data model to optimize existing data flow and core PLSQL packages, procedures, and functions.
	+ Managed agile team to complete quarterly rollout into production
	+ Create PLSQL libraries/programs to be used by middleware, data processing engine
	+ Involve extensively in SQL query tuning and PLSQL Programs tuning using Oracle database diagnostic tools (PLSQL Profiler, AUTO Trace, Explain Plan, AWR and V$statistics views)
	+ Worked on performance tuning issues. Helped DBA to understand and baseline the SQL plans
	+ Worked on correction and reversal area to implement new features.
	+ Assessed and computed statistics to optimized response time for queries while creating complex SQL queries and dynamic SQL throughout the project life cycle
	+ Introduced various oracle structures like Materialized views, Partitions, and Indexes at the same time using performance tuning features like Optimizer statistics, Explain Plan, AWR, SQL Tuning advisor, ADDM and dynamic performance view to diagnose and resolve performance issues
	+ Created Logical and Physical data models
	+ Managed UI Facing programs, Workflow routines, and automation codes
	+ Maintained Oracle database schemes, tables, standards, views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, and other database objects
	+ Generated PL/SQL packages, stand-alone procedures, and stand-alone functions
	+ Achieved 3x performance benefit after refactoring code of PL/SQL package
	+ Achieved SQL performance tuning using oracle views, result cache for functions.
	+ Improved SQL performance using various techniques like optimized joins, Indexes, Histograms, and better statistics.

**Tools:** Oracle Database 12c, Oracle SQL Developer, PLSQL Developer, TOAD, UNIX, GITHub, Microsoft Excel.

**PA State, Harrisburg, PA May 2018–Sep 2018**

**Senior Database Developer**

**Project Held**

**SERS:**

SERS handles statewide retirement plans for public employees. The portal serves active members, new members onboarding and retired members services. It allows members to update personal information, update dependent information, purchase service credit, request estimate of benefit amount and request retirement. The benefit calculation engine is developed using PL/SQL routines.

**Responsibilities:**

* + Extensively worked in Oracle SQL, PL/SQL, SQL\*Plus, SQL\*Loader, Query performance tuning.
	+ Create PLSQL libraries/programs to be used by middleware, data processing engine
	+ Involve extensively in SQL query tuning and PLSQL Programs tuning using Oracle database diagnostic tools (PLSQL Profiler, AUTO Trace, Explain Plan, AWR and V$statistics views)
	+ Assessed and computed statistics to optimized response time for queries while creating complex SQL queries and dynamic SQL throughout the project life cycle
	+ Introduced various oracle structures like Materialized views, Partitions, and Indexes at the same time using performance tuning features like Optimizer statistics, Explain Plan, AWR, SQL Tuning advisor, ADDM and dynamic performance view to diagnose and resolve performance issues
	+ Managed UI Facing programs, Workflow routines, and automation codes
	+ Maintained Oracle database schemes, tables, standards, views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, and other database objects
	+ Generated PL/SQL packages, stand-alone procedures, and stand-alone functions
	+ Improved SQL performance using various techniques like optimized joins, Indexes, Histograms and better statistics.

**Tools:** Oracle Database 12c, Oracle SQL Developer, -GitHub.

**Credit Suisse, New York, NY Jul 2011–Dec 2016**

**Senior Database Developer**

**Project Held:**

**Private Banking (Wealth Management) and Client Data Warehouse**

Compensation sysstem is developed to automate most of the data flow between IT, Business and involved trading, payment, and adjustment platforms. The automated process also took care of mathematics and calculations which used to be done by business by spending excess of human effort and resources. The proposed solution provides ability to user to onboard clients. It includes various modules like on boarding new client, prospect management, prospect to client conversion, account opening etc. It also provides facility to search and maintain clients and accounts. The system is responsible to automatically synchronize data between multiple applications where accounts management is provided. The project mainly focuses on using new technology and migration entire data model to use new workflow tool. It also takes care of backward compatibility to old system. So, at one-point use was able to use both systems without worrying about doing duplicate work in both systems. Automatic generation and pre-population of document based on business rules are integral part of the application. The goal was to create data warehouse for both transaction system.

**Responsibilities:**

* + Develop data model to optimize existing data flow and core PLSQL packages, procedures, and functions.
	+ Developed batch framework comprising of several batches to assist business process and rules implementation in
	+ order to integrate, validate, load, and process data from various source systems
	+ Managed agile team to complete quarterly rollout into production
	+ Implemented data migration, data integration, data cleanup, data masking, database interfaces for middle tier, and workflow processing programs using PLSQL, Informatica Mapping, and UNIX Shell scripts
	+ Extensively worked in Oracle SQL, PL/SQL, SQL\*Plus, SQL\*Loader, Query performance tuning.
	+ Developed Informatica Mapping, Mapplets, Transformations, Sessions and workflow to full fill ETL requirements
	+ Effectively directed team of database developer on database design, development, and deployment of back-end and ETL components while monitoring and performing unit testing, QA database management, QA support, UAT
	+ Database management, UAT support, and Production L3 support
	+ Created API using PLSQL to interact with middle tier to provide data to web application.
	+ Create PLSQL libraries/programs to be used by middleware, data processing engine
	+ Involve extensively in SQL query tuning and PLSQL Programs tuning using Oracle database diagnostic tools (PLSQL Profiler, AUTO Trace, Explain Plan, AWR and V$statistics views)
	+ Developed CDC, ETL, and Match-merge to load staging, presentation dimensions, and fact tables, as well as
	+ generating mapping documents to illustrate source column, target columns mapping, and transformation logic to update SCD and to load various types of fact tables
	+ Worked on performance tuning issues. Understand and baseline the SQL plans and improvise SQL plans.
	+ Contributed in designing logical and physical data models (OLTP schemas, staging schema, presentation schema,
	+ data marts, dimension, and fact tables, OLAP views) while making use of partitions, sub partitions, materialized views on tables to optimize performance
	+ Assessed and computed statistics to optimized response time for queries while creating complex SQL queries and dynamic SQL throughout the project life cycle
	+ Generated PLSQL programs for change capture, data processing, transformations, data loading, automation scripts, workflow processing routings and middle tier interfaces while using oracle utilities like SQL Loader, External Table, and oracle job scheduler
	+ Introduced various oracle structures like Materialized views, Partitions, and Indexes at the same time using performance tuning features like Optimizer statistics, Explain Plan, AWR, SQL Tuning advisor, ADDM and dynamic performance view to diagnose and resolve performance issues
	+ Implemented generic PLSQL libraries (Constants, error handling/logging framework, utilities, deployment framework) and UNIX shell scripts libraries for reusable code for various needs
	+ Created Logical and Physical data models.

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, SharePoint, Toad, HP Quality Center, HTML, Oracl11g, XML, UNIX, Shell Script, InformaticaPowercenter9.1, and Oracle10g, Control M, TOAD.

**JPMorgan Chase & Co, Pune India Jan 2009–Jul 2011**

**Senior Database Developer**

**Project Held:**

**CRS Workflow**

CRS Workflow is a development project for implementation of workflow to automate and streamline steps in CRS processes. Before the CRS Workflow process, CRS processes were largely manual-subject to regional variances. Due to current process and system limitations there may be duplication of certain tasks leading to overall inefficiencies. Task allocation is based off weekly reports introducing an inherent delay in the resolution business process. The scope of the project is limited to Unlinked, Unmanaged and Ungraded issues. The objectives of the projects include Escalate exposure risks more efficiently by leveraging timely data and by automating / simplifying manually intensive processes, eliminate bifurcated processes, add ageing and transparency to metrics, Improve CRS productivity. CRS Workflow project is involved in phases including Requirement Gathering, Analysis, Design, Development, Unit Testing, Integration Testing, Performance Testing, Implementation, Post Implementation Support and Maintenance. The application is developed using Struts and spring technologies and backend as oracle10g database.

**Responsibilities:**

* + Assessed and computed statistics to optimized response time for queries while creating complex SQL queries and dynamic SQL throughout the project life cycle
	+ Generated PLSQL programs for change capture, data processing, transformations, data loading, automation scripts, workflow processing routings and middle tier interfaces while using oracle utilities like SQL Loader, External Table, and oracle job scheduler
	+ Effectively used advanced SQL, Analytical SQL to build OLAP cubes
	+ Tested case/data and organized verified test results
	+ Introduced various oracle structures like Materialized views, Partitions, and Indexes at the same time using performance tuning features like Optimizer statistics, Explain Plan, AWR, SQL Tuning advisor, ADDM and dynamic performance view to diagnose and resolve performance issues
	+ Created Logical and Physical data models, as well as OLAP cubes, and UNIX Script
	+ Took several responsibilities including storage management, database scripts creation and deployment, VPD implementation, backup, and recovery
	+ Defined database archiving, purging strategies & documenting
	+ Managed UI Facing programs, Workflow routines, and automation codes
	+ Designed and developed dimensions and fact tables.
	+ Designed codes for data access along with stored procedures and current SQL queries.
	+ Functioned as the team lead for Database Team in charge of creating design document, unit testing document, and requirement traceability matrix along with impact analysis and requirement review, QA and UAT deployment and support

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, SharePoint, Toad, HP Quality Center, HTML, Oracle 11g, XML, UNIX, APPWAY, Shell Script.

**Zensar Technology (CISCO), Pune, India Jan 2008–Jan 2009**

**Senior Database Developer**

**Project Held:**

**SCM Engine**

SCM (Service Contract Management) Validations are used to determine Install Base and Service Agreement accuracy. The main purposes of the validations are to 1.) prevent and/or resolve data pollution during contract creation, renewal, and management; and 2.) improve IB/SA data accuracy and correctness, in accordance with Cisco Service Policy Rules.

**Responsibilities:**

* + Conducted Data Migration routines, Data processing engine
	+ Participated in impact analysis and requirement review, while working with middle tier team to develop required interface for data exchange
	+ Generated design document, unit testing document, requirement traceability matrix
	+ Partook in Deployment and support of QA, UAT, and Production environment as well as PLSQL components and UNIX Scripts
	+ Executed performance tuning and SQL optimization using explain tables and TKPROF utility and establishing database parameters
	+ Held responsibility in creating and maintaining Oracle database schemas, tables, standard views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, reference cursors
	+ Implemented Oracle PL/SQL ETL processes for loading data from internal systems using SQL Loader and external tables
	+ Effectively used advanced SQL, Analytical SQL to build OLAP cubes
	+ Wrote complex SQL queries with sub-queries, analytical functions, and inline views
	+ Designed and developed dimensions and fact tables.
	+ Designed codes for data access along with stored procedures and current SQL queries.

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, SharePoint, Toad, HP Quality Center, HTML, Oracle 11g, XML, UNIX, Shell Script

**HCL Technologies, Bangalore, India Aug 2006–Oct 2007**

**Database Developer**

**Project Held:**

**Exchange Link**

The Exchangelink is trading applications developed for Deutche Bank to facilitate trading across the globe. The system connects into the Futures and Options business where users can do lookup on contract prices and information and place order for different Exchanges. The application provides number of Front-End Components which helps user to connect to the system and view current market and statistics.

**Responsibilities:**

* + Developed PL/SQL packages, stand-alone processes, and stand-alone functions while writing complex SQL queries with sub-queries, analytical functions, and inline views
	+ Created and maintained tables, materialized views, unique indexes, standard views, triggers, sequences, constraints, non-unique indexes, reference cursors, cursor for loops, and explicit cursors
	+ Participated in impact analysis and requirement review along with the deployment and support of QA, UAT, Production environment, PLSQL components, and UNIX Scripts
	+ Developed design document, unit testing document, requirement traceability matrix
	+ Coordinated with middle tier team to develop required interface for data exchange

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, Toad.

**Point Cross, Bangalore, India May 2005 –Aug 2006**

**Database Developer**

**Responsibilities:**

* + Closely collaborated with middle tier team to develop required interface for data exchange
	+ Made significant contribution in the development of PLSQL components and UNIX Scripts
	+ Devised an Oracle PL/SQL batch and realt-tme processes for loading data from internal and external systems using SQL Loader while utilizing Dynamic SQL and Execute\_Immediate functions to conduct DDL in PL/SQL blocks and procedures
	+ Maintained Oracle database schemes, tables, standards, views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, and other database objects
	+ Generated PL/SQL packages, stand-alone procedures, and stand-alone functions
	+ Participated in the system development, as well as in unit and integration testing of production process
	+ Initiated stored procedures, functions, triggers, and packages control and management

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, Toad.

**Rigel Networks, Baroda, India May 2003 –Mar 2005**

**Database Developer**

**Responsibilities:**

* + Closely collaborated with middle tier team to develop required interface for data exchange
	+ Made significant contribution in the development of PLSQL components and UNIX Scripts
	+ Devised an Oracle PL/SQL batch and realt-tme processes for loading data from internal and external systems using SQL Loader while utilizing Dynamic SQL and Execute\_Immediate functions to conduct DDL in PL/SQL blocks and procedures
	+ Maintained Oracle database schemes, tables, standards, views, materialized views, synonyms, unique indexes, non-unique indexes, constraints, triggers, sequences, implicit cursors, explicit cursors, cursor for loops, and other database objects
	+ Generated PL/SQL packages, stand-alone procedures, and stand-alone functions
	+ Participated in the system development, as well as in unit and integration testing of production process
	+ Initiated stored procedures, functions, triggers, and packages control and management

**Tools:** Oracle PL/SQL, SQL, PL/SQL Developer, Toad.