Mukta Paul
SQL Developer

Los Angeles, CA - Email me on Indeed: indeed.com/r/Mukta-Paul/ef4df4ee50f1a466

☐ Having 10 Years of experience in IT and Data Warehousing/Business Intelligence area with an end to end knowledge in Business intelligence domain, especially in Health care, Telecommunication, HR, Pharmaceuticals ,Apparels which includes but not limited to Customer Business Requirement Development, Analysis, Design, Development and Troubleshooting using SQL Server & Oracle Technologies.

☐ Have very good Experience in Data Model /Data Mart Design and development using MSSQL SERVER,SSIS,SSRS,T-SQL, Oracle DB, OBIEE, Oracle Warehouse Builder, Informatica, Oracle PL/SQL, BI Publishers , Pentaho CE and Documentation

☐ Worked extensively on the Large Data warehousing system (40+ TB) and have good knowledge on the ETL as well as know how to play with large volume of Data.

☐ Experienced with database design and O&M in OLAP and OLTP with dimensional Modeling and Normalization.

☐ Experienced in Implementing Federated Architecture and DWH implementation from scratch.

☐ Total 8+ years of experience in ETL development which includes using SSIS , informatica and Oracle Warehouse Builders.

☐ 5+ Years of Microsoft BI experience which includes

* SSIS:
- SSIS Package design, development using various workflow tasks, transformations, variables & Parameters
- SSIS package performance optimization & Tuning.
- SSIS project deployment, configuration & SSIS package scheduling passing parameters.
- Security Implementation.
- Operation Performance Monitoring.
- Implementation of parameterized Workflow including error handling and generation of Alert mail from SSIS package
- Integration of flat file, excel , XML,ODBC source, OLEDB source

* SQL SERVER:
- Architecture design (Index Management, Partition Maintenance, Login, User, Role, FileGroup etc.).
- Data Model design and Development for both Dimensional Modeling and Normalization.
- Process Automation and complex logic implementation using T-SQL (Procedures/Packages/Functions/ Cursors/Index/Partition/Execution Plan /data dictionary/bulk load /SQL Server Agent/Alert mail Sending.)
- Performance optimization and tuning.
- Process Scheduling ,Process Activity Monitoring, Process Auditing
- Bulk Loading.
- Data Migration.

* SSRS:
- Dashboard and various reports (i.e. Development of Tabular and Pivot report ,multi level hierarchical report and parent child report with hyperlink , Conditional Formatting) Development.
- Managing Report Subscription.
- Use of parameterized report with procedure and sql query as data source
- Implementation of user level and data level security.

☐ 8+ years of experienced with Data Modeling, Data Migration, Process Automation

☐ Expert on performance optimization and code tuning using T-SQL and PL/SQL.Have footprint of gaining operational efficiency by 99% through tuning.

☐ Expert on Data Analysis (GAP Analysis, Trend Analysis etc.) and Analytical Model development support.

☐ Experienced on data Migration from one server to another.

☐ 6+ years of experience & Expertise on report & Dashboard development using Oracle business intelligence which includes Repository Design (Physical Layer, Logical Layer, Presentation Layer) & Implementation of regular and tabular report, balanced and unbalanced hierarchical report, Parent child report, Graphs, charts, KPI & Scorecard, Delivers etc. and also expert on OBIEE Tuning.Have Also Working experience on Oracle BI Publisher ,Oracle Discoverer, Oracle Report Builder.

☐ Self-motivated and self-learner and Introduced open source BI tool in GPIT for reporting which was completely boosted by self-learning through R&D.

☐ Experienced with Agile software development (scrum).

☐ Customer focused and understand Client's business very well which helps to converts customer requirement into technical design and delivering quality product.

☐ Led many critical projects in multiple business domains and proved as successful team leader and good team player.

☐ Good working experience with Remedy tool (Assigning Tickets and entering work log and tracking the status of a Defect, creating CR and update Service Desk , Source control tool i.e. SVN).

☐ Has great contributions on organizational standardization i.e. CMMI , ISO, CDP (Client Data Protection).

PROFFESIONAL CERTIFICATION:

☐ ITIL® Foundation Certificate in IT Service Management - 2015
☐ Oracle certified associate (OCA) - 2007
Authorized to work in the US for any employer

WORK EXPERIENCE

SQL Developer
population Health system - July 2016 to July 2017

Responsibilities:

☐ Collaboration with the business users and Key Account manager for Requirement Development to add/ upgrade features in population Health system.

☐ Implementation and Enhancement of logical and physical Dimensional data model.

☐ Implementation & Enhancement of Extraction ,Transformation & Load (ETL) process using SSIS packages and T-SQL from heterogeneous sources (Excel, CSV, text, Oracle, MS SQL Server) coming from health care organizations using different workflow tasks i.e. Script Task, SQL Task, File System Task, Execute Package task, Execute Process task, Expression Task ,Send Mail task etc. and Several Transformations i.e Aggregate, Conditional Split, Data Conversion, Derived Column, Lookup, Merge, Merge Join, Multicast, Rowcount, Script Component, Sort, Slowly Changing Dimension, Union All etc. and variables.

☐ Development and deployment of parameterized dynamic SSIS package that runs for multiple clients for different source and destination based on selected parameters.

☐ Workflow design and development using SSIS , Error Handling and Alert mail generation using Send Mail Task.

☐ Complex T-SQL Code Implementation (Stored Procedures, Triggers, Views, Cursors, functions , CTE's, partition, index, Execution plan, Exception handling , Metadata views, Temporary table ,Dynamic SQL etc).

☐ Quality Control & Performance Monitoring System Development using T-SQL that executes at post ETL of population health data processing which sends QC report ,Operational Performance Report ,Alert generation via email with notable highlights.

☐ Performance optimization and tuning using SSIS and T-SQL.

☐ Process Implementation for automated Index Management (Index reorganize / Index Rebuild) & Scheduling using Jobs of SQL Server Agent.

☐ Metadata Configuration and Enhancement of Population Health Measure/KPIs Processing Engine.

□ Extensive data Analysis & Resolution
◦ Source to Target GAP
◦ Data inconsistency
◦ Application Defect Root Cause
◦ Data Trend
□ Different type of report development and Dashboard Development using SSRS i.e. parameterized tabular & pivot report, multi level hierarchical report, parent Child report, Conditional formatting etc.
□ Implementation of Object level and data level security.
□ Database Architecture maintenance (i.e. Login, user, role, Partition, Index, File Group etc.)
□ Working with Agile method.
□ Developing operational run book.

Software Engineering Team Lead /BI Developer
 - April 2010 to January 2016

Responsibilities:
□ Collaborated with Business analysts and Users to gather requirements. Actively participated in technical design and implementation of Data Warehouse application
□ Dimensional Model (Star Schema , Snowflake Schema) design and development for various business datamarts.
□ Implemented Federated Architecture in MSSQL environment to ensure load balancing for Health Care Solution.
□ Implemented Extraction ,Transformation & Load (ETL) process using SSIS packages and T-SQL from heterogeneous sources (Excel, CSV, text, MS SQL Server) originating from clinical sources i.e. Claim, Lab, Eligibility etc. using different workflow tasks i.e. Script Task, SQL Task, File System Task, Execute Package task, Execute Process task, Expression Task ,Send Mail task etc. and Several Transformations i.e Aggregate, Conditional Split, Data Conversion, Derived Column, Lookup, Merge, Merge Join, Multicast, Rowcount, Script Component, Sort, Slowly Changing Dimension, Union All etc. and variables.
□ Implemented Source Data Validation Solution using SSIS and T-SQL based on clinical sources (Patient claim, Patient Lab, Patient RX etc.) having volume more than 12-15 GB per file with 150+ fields which includes 250+ business rule per source. Improved process performance from 3 hours processing time to 20 minutes processing time by implementing SQL tuning, parallelism and partitioning.
□ Developed ETL using Informatica, PL/SQL and Unix Scripting for Radio planning source of Mobile Telecommunication.
□ Implemented Data Model, Data Migration, Process Automation in both SQL Server and Oracle environment which include dynamic code generation, T-SQL (Stored Procedures, Triggers, Views, Cursors, functions , CTE's, partition, index, Execution plan, Exception handling , Metadata views, Temporary table ,Dynamic SQL etc.) & PL/SQL Code implementation (table/ /views/materialized views /Procedures/packages/functions/ Analytical functions /cursors/index/partition/explain plan/data dictionary/triggers/SQL Loader/Data Extraction, External table etc.)
□ Developed Quality Control System that sends QC report via email with notable highlights on ODS (Operational Data Source) of Telecommunication system.
□ Accomplished several Process performance improvement, optimization, code tuning using T-SQL,PL/SQL and Complex Business logic Implementation.
□ Dashboard Development & Process/Report automation using SSRS, OBIEE,BI Publisher, discoverer, Pentaho CE and T-SQL, PL/SQL.
□ Experienced on operation maintenance and process improvement of Operational Data Source (ODS)
□ Regular ETL Operation and Maintenance as well as O&M of ODS of telecommunication DWH with data Cleansing , partition management , index management etc.
□ Actively participated in Data Migration of telecommunication prepaid data from one server to another.

☐ Ad-hoc report development using SQL and dynamic SQL.

☐ Pentaho Cube design and development for effort estimation and monitoring reporting.

☐ Implemented several Campaign Model and accomplished Pre & Post campaign analysis using SQL/PLSQL.

☐ Accomplished Process automation to purge adhoc tables using PL/SQL.

☐ Regular Storage forecast report generation using data dictionary and PL/SQL.

☐ Ensuring table snapshots periodically before logical backup to avoid future discrepancy.

☐ New BI Technology (Pentaho CE) Research and Implementation for reporting.

☐ On demand Data Mining and Analytical Model Development Support

☐ Developed Technical documentation.

☐ Support to Organizational Standardization, business effectiveness and continuity which includes ensuring practices of CMMI , ISO, Client Data Protection and building IT Strategy.

☐ Followed Agile method for development.

☐ Resource development through class room training and on job training with appropriate skill sets

Database Developer

Grameenphone Ltd - January 2010 to March 2010

Responsibilities:

☐ Collaborated with the user and develop customer business requirement

☐ Ad-hoc Report development using PL/SQL and Excel.

☐ Report automaton using PL/SQL and Discoverer

☐ Process Automation using PLSQL which include dynamic code generation, complex PL/SQL Code implementation (Procedures/packages/functions/Analytical functions /cursors, External table etc.)

☐ Analytical Model Implementation support using ODM

Database Developer

ETL Development - January 2008 to December 2009

Responsibilities:

☐ Collaborated with the users and develop customer business requirement.

☐ ETL Development using PL/SQL and performed regular O&M.

☐ Ad-hoc Report development using T-SQL,PL/SQL and Excel.

☐ Process Automation , campaign module implementation, reporting data Mart Development using PLSQL which include dynamic code generation, complex PL/SQL Code implementation (Procedures/packages/ functions/Analytical functions /cursors /SQL Loader, External table etc.)

☐ Campaign data mart development using PL/SQL.

☐ Storage forecast report generation using data dictionary and PL/SQL

☐ Regular report automation using PL/SQL.

☐ Operational data Source (ODS) Implementation

☐ CDR testing to verify charging implementation as per business logic.

Database Developer

Members of Square Group - February 2006 to December 2007

Responsibilities:

☐ Collaborate with the user and develop customer business requirement.

☐ Develop new HR Module and Implement CR using Oracle Developer 6i and report builder 6i

☐ Different ERP Modules were developed/customized for members of Square group based on the business policy of each member. Modules are Employee Information. Transfer, Promotion, Retirement, Payroll, Attendance & Leave Management process and reports development. Client - Members of Square Group.

EDUCATION

B-Tech in technology
West Bengal university of Technology - Kolkata, West Bengal

SKILLS

Database (10+ years), Excel (9 years), Oracle (8 years), SQL (9 years), T-SQL (8 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:
Tool
SSIS 2012, SSRS 2012, Oracle Business Intelligence Enterprise Edison OBIEE , BI Publisher , Pentaho BI (CE), ODM , Discoverer , Oracle Developer6i, Oracle Report Builder 6i, Oracle Warehouse Builder, Visual Studio 2012

Languages SQL, T-SQL, PL/SQL, pgSQL, Unix Shell scripting, C# Knowledge
Database MSSQL 2012, MSSQL 2008 R2, ORACLE 10g/11g /12c, My SQL, PostgreSQL.
OS Unix / Windows/ linux
Architecture OLAP /OLTP Data Model, Multidimensional schema Design
Soft Skill
Customer Requirement Development ,Customer Negotiation, , People Development, Building BI Delivery Strategy, Time Management, and Problem solving skills, Delivery Risk Management

Remote Access Windows Remote desktop, VPN
Microsoft tools MS Office Word, Excel, Outlook, Power point & Access.