**VARUN KUMAR**

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**PROFESSIONAL SUMMARY**

* Overall7+ years of experience in Data Warehousing/Integration using ETLToolInformaticaPower Center […] across the business areas such as Healthcare, Insurance and Banking.
* Extensive experience in using Informatica Power Center to carry out the Extraction, Transformation and Loading process
* Create clear and concise epics/stories using JIRA as tracking tool.
* Extensive experience with ETL/SSIS tool Informatica in designing and developing complex Mappings, Mapplets, Transformations, Workflows, Worklets, and scheduling the Workflows and sessions.
* Extensive experience in Workflow Manager and Workflow Monitor and scheduling ETL/SSIS jobs in Informatica.
* Specialized in Informatica Power Center, Data Quality, Oracle database, IBM Mainframes, DB2, Unix, Cobol, Requirement Analysis, System Design, Process flow, Workflow, Use and Test Case Development, Software Development Life Cycle (SDLC), System Testing, SCRUM/Agile development, Bug fixing, Documentation, Implementation, Production Support and Maintenance of systems.
* Experience in Pentaho Suite (Pentaho Data Integration/ Kettle, Pentaho BI server, Pentaho Design Studio, Pentaho Report designer, Pentaho Dashboard Designer, Pentaho Meta Data and Pentaho Analysis Tool).
* Configured, prepared scripts on data visualization using QlikView.
* Experienced in integration of various data sources like Oracle 11g/10g, MS SQL Server […] and Flat Files into staging area.
* Experienced in development utilizing the SAP Business Objects Java SDK
* Created High level, low level design documents, ETL/SSIS specification documents, Data modeldocumentand test casesdocument.
* Responsible for creating/quantifying Agile epics, stories and assigned tasks for the team on RTC.
* Slowly Changing Dimensions Management including Type 1, 2, 3, Hybrid Type 3, De-normalization, Cleansing, Conversion, Aggregation, Performance Optimization
* Worked on non-relational sources like Flat Files and used secure FTP.
* Worked on Oracle PL/SQL programming, Stored Procedures, Creating Triggers and Sequence Generator on the Target Table.
* Building a proof-of-concept stand-alone scheduler using AngularJS. Assisting in the implementation of JIRA, logging epics, stories and assigning tasks.
* Expertise in working with various operational sources like Oracle, Teradata, DB2, SQL Server […] Flat files, Netezza into a staging area.
* Ability to deliver comprehensive Business Intelligence through integration of BI suite of products (SSIS, SSAS, SSRS) including MS solutions like MS EXCEL […] Microsoft Office
* Expert in writing SQL, PL/SQL Stored procedures using Toad.
* Experience with Teradata utilities FastLoad, MultiLoad, BTEQ scripting, Fast Export, SQL Assistant, T-PUMP.
* Worked on Performance Tuning Informatica Targets, Sources, Mappings and Sessions.
* Experience in developing Informatica Reusable components for using them across the projects.
* Extensively worked with Informatica Mapping Variables, Mapping Parameters and Parameter Files.
* Experienced in UNIX work environment, File Transfers, Job Scheduling and Error Handling..
* Hands on experience in resolving the production issues in 24/7 environment.
* Proficient in creating Use Cases, Use case diagrams, Workflow Diagrams, Sequence Diagrams, and Class Diagrams;Epics and User stories.
* Outstanding communication and interpersonal skills, ability to learn quickly, good analytical reasoning and high compliance to new technologies and tools
* Strong Experience in various Extracting, Transforming and Loading ETL/SSIS data flow ETL/SSIS using SSIS.
* Created SSIS Templates for developing SSIS Packages that can be dynamically deployed into development, Testing and Production Environments.

**Technical Expertise:**

**Languages/Tools:** Teradata SQL, UNIX Shell programming, Oracle PL/SQL, PERL, Sybase, Transact-SQL Software, Teradata Utilities: bteq, fastload, multiload, arcmain, Informatica PowerCenter, ERWin, Sunopsis/Oracle Data Integrator, GoldenGate, SyncSort DMExpress, Control M, MicroStrategy, Business Objects Data Integrator.

**Work Experience**

**Client: Intermountain health care, Salt lake city, UTJune.2017 – Till Date**

**Title: Informatica/ ETL developer**

**Responsibilities:**

* Created tables, views in Teradata, according to the requirements.
* Interacted with Business to implement New Product functionality.
* Involved in design and implementation of TBS Product.
* Interacted with Business Analyst to understand requirements and translated them into the appropriate technical solution.
* Performed bulk data load from multiple data source (ORACLE 8i, legacy systems) to TERADATA RDBMS using BTEQ, Fastload, Multiload and TPump.
* Created ETL transformations and jobs using Pentaho Data Integration Designer (Kettle-Spoon) and scheduling them using Cron Job.
* Used CE Pentaho Data Integration Designer 4.2 to create ETL transformation and Jobs.
* Used different transformation in PDI to cleanse and manipulate source data e.g Database lookup & Join, Generate Rows, Calculator, Row normalizer & De-normalizer, Java script, Add constant, Add sequence etc.
* Created and automate the process of loading using Shell Script, Multi load, Teradata volatile tables and complex SQL statements.
* Performed tuning and optimization of complex SQL queries using Teradata Explain.
* Worked with the implementation of Pentaho ETL environment, including fact and dimensional models based on use case development from business analysis teams, worked in the design of Tableau/OBIEE dashboards and reporting from business analysis teams.
* Created a BTEQ script for pre population of the work tables prior to the main load process.
* Developed MLOAD scripts to load data from Load Ready Files to Teradata Warehouse.
* Created Data Mappings and Design Documents according to Business Requirements.
* Created ETL Design Documents for team better understanding.
* Created Tables, Views and Materialized Views as per the design.
* Loaded Data into EDW using BTEQ, Fast Load and Multi Load.
* Used data integration with ETL tool, Informatica Power Center/Power Mart.
* Designing and developing complex Informatica mappings including Type-II slowly changing dimensions.
* Worked business customers to define and build ETL transformations in Pentaho.
* Extensively used ETL to load data from wide range of sources such as flat files and legacy systems.
* All the jobs are integrated using complex Mappings including Mapp lets and Workflows using Informatica power center designer and workflow manager. Ver. 8.6 and Ver.9.1.
* Created Various UNIX Scripts to load and transfer the data into tables and flat files.
* Performance tuning has been done to increase the through put for both mapping and session level.
* Use debugger in identifying bugs in existing mappings by analyzing data flow, evaluating transformations.
* Streamlined the Teradata scripts and shell scripts migration process on the UNIX box.
* Created effective Test data and development thorough Unit test cases to ensure successful execution of the data and used pager for notifying the alerts after successful completion.
* Worked extensively on HP Quality Center.
* Worked Extensively on Teradata to load or pull data using Utilities.
* Created Apples to schedule the jobs for our nightly run using ESP.
* Used Congo’s Impromptu and Power Play to create reports from the data mart.
* Provide off-hours on-call support on as needed basis.

**Environment:** Informatica Power Center 9.6.1, Pentaho Data Integration/Kettle-Spoon, IDQ 9.6.1, Oracle 11g, Teradata 14.1.0, Teradata SQL Assistant,MSSQL Server 2012, DB2, Erwin 9.2, DAC Scheduler, Putty, Shell Scripting, Clearcase, Putty, WinSCP, Notepad++, JIRA, Control-M V8, Hyperion Server, OBIEE Reporting.

**Client: State Farm Insurance, Boston, MAJan.2016 – May.2017**

**Title: Informatica/ ETL developer**

**Responsibilities:**

* Worked with business analysts for requirement gathering (BRD), business analysis, and translated the business requirements into technical specifications to build the Enterprise data warehouse.
* Interacted with both Technical, functional and business audiences across different phases of the project life cycle.
* Developed mappings for fact and dimension tables using the various transformations to extract data from different source databases Oracle, Db2UDB, SQL Server and XML Files.
* Designed and developed complex ETL mappings by making use of transformations like Source Qualifier, Joiner, Update Strategy, Connected Lookup and unconnected Lookup, Rank, Expression, Router, Filter, Aggregator and Sequence Generator transformations.
* Worked on Migration of mappings from Data Stage to Informatica.
* Worked on Power Exchange bulk data movement processes by using Power Exchange Change Data Capture (CDC) method.
* Designed Mappings using B2B Data Transformation Studio.
* Good knowledge in Unix Shell scripting.
* Create tables, views in Teradata, according to the requirements.
* Perform tuning and optimization of complex SQL queries using Teradata Explain.
* Excellent experience in ETL Tools like Informatica and on implementing Slowly Changing Dimensions (SCD).
* Extract and Load data using different tools in Teradata like Multiload, FastExport, Fastload, OLE Load, BTEQ.
* Employing the Informatica Data Quality (IDQ) to help identify data issues and implementing the cleansing procedures with existing interfaces/migrations.
* Written and used UNIX shell scripts extensively for scheduling and pre/post session management.
* Created Workflows using various tasks like sessions, events raise, event wait, decision, e-mail, command, worklets, Assignment and worked on scheduling of the workflows.
* Used mapping parameters and variables.
* Prepared mapping specification document, which gives the data flow and transformation logic for populating each column in the data warehouse table.
* Used debugger to analyze the data flow between source and target to fix the data issues.
* Developed PL/SQL procedures, functions to facilitate specific requirement.
* Optimized and Tuned SQL queries and PL/SQL blocks to eliminate Full Table scans to reduce Disk I/O and Sorts.
* Used SQL Loader to load huge flat files into Oracle database.
* Implemented audit and reconcile process to ensure Data warehouse is matching with the source systems in all reporting perspectives.
* Worked with PowerCenter parameter file which is a list of parameters and variables and their associated values, includes information for multiple services, service processes, workflows, worklets, and sessions in a single parameter file.
* Prepared the Standard Operating Procedure (Knowledge Transfer) document, which provides necessary information, required for the Maintenance and Operation of the application.
* Created the release requests for QA Builds to include all the release requirements and involved in the implementation of QA, UAT and Production releases.
* Extensive knowledge on Analysing the Software Requirement Specifications and Software.
* Developed a UNIX Shell scripts which will send the reports to client over the network by using file transfer protocol (FTP & SFTP) and generating the log file, which will keep the history for the FTP reports.
* Executed Informatica workflows using PMCMD utility thru UNIX scripts.
* Provided data loading, monitoring, System support and worked on data issues raised by end user during its production support phase.
* Wrote SQL Queries as part of Data validation in the Target tables.

**Environment:** Informatica PowerCenter 8.6.1/8.1.1, Cognos 9, SQL Server 2008, IDQ 8.6.1, Oracle 11g, PL/SQL, TOAD, Putty, Autosys Scheduler, UNIX, Teradata 13, Erwin 7.5, ESP, WinScp.

**Client: Vanguard, Malvern, PAMay.2014 – Dec.2015**

**Title: Informatica Developer**

**Responsibilities:**

* Interacted with Business and Solution Architects for building Policy Admin System.
* Involved in design and implementation of Policy Admin System.
* Interacted with Business Analyst to understand requirements and translated them into the appropriate technical solution.
* Created Data Mappings and Design Documents according to Business Requirements.
* Created ETL Design Documents for team better understanding.
* Created Tables, Views and Materialized Views as per the design.
* Loaded Data into EDW using BTEQ, Fast Load and Multi Load.
* Involved in Informatica (8.6 to 9.1) and Oracle (10 to 11g) Upgrades.
* Created Critical Finance Extracts for our Product Reporting Team using Informatica Power Center.
* Used data integration with ETL tool, Informatica Power Center/Power Mart.
* Designing and developing complex Informatica mappings including Type-II slowly changing dimensions.
* Extensively used ETL to load data from wide range of sources such as flat files and legacy systems.
* Performed Java transformations.
* Converted all PL/ SQL into Informatica Extracts which our most products used.
* Coordinated with the team of Java developers to accomplish complex database process.
* Designed and developed the middleware services that meet the business by utilizing JAVA.
* All the jobs are integrated using complex Mappings including Mapp lets and Workflows using Informatica power center designer and workflow manager. Ver. 8.6 and Ver.9.1.
* Created Various UNIX Scripts to load and transfer the data into tables and flat files.
* Performance tuning has been done to increase the through put for both mapping and session level.
* Use debugger in identifying bugs in existing mappings by analyzing data flow, evaluating transformations.
* Created effective Test data and development thorough Unit test cases to ensure successful execution of the data and used pager for notifying the alerts after successful completion.
* Worked extensively on HP Quality Center.
* Worked Extensively on Teradata to load or pull data using Utilities.
* Created Apples to schedule the jobs for our nightly run using ESP.
* Used Congo’s Impromptu and Power Play to create reports from the data mart.
* Provide off-hours on-call support on as needed basis.

**Environment:** Informatica Power Center 8.1, SQL, PL/SQL, UNIX, Shell Scripting, SQL Server 2008, Sybase,Oracle 11g, DB2, Control-M, Cognos 8.4.

**Client: HDFC Bank, Mumbai, India Sep.2012 – Dec.2013**

**Title: Informatica Developer**

**Responsibilities:**

* Involved in full life cycle development including Design, ETL strategy, troubleshooting, Reporting, and identifying facts and dimensions.
* Reviewing the requirements with business, doing regular follow ups and obtaining sign offs.
* Worked on different tasks in Workflows like sessions, events raise, event wait, decision, e-mail, command, worklets, Assignment, Timer and scheduling of the workflow.
* Created sessions, configured workflows to extract data from various sources, transformed data, and loading into data warehouse.
* Moving the data from source systems to different schemas based on the dimensions and fact tables by using the slowly changing dimensions (SCD) type 2 and type 1.
* Used Debugger to test the mappings and fixed the bugs.
* Used various transformations like Filter, Expression, Sequence Generator, Source Qualifier, Lookup, Router, Rank, Update Strategy, Joiner, Stored Procedure and Union to develop robust mappings in the Informatica Designer.
* Done analysis of Source, Requirements, existing OLTP system and identification of required dimensions and facts from the Database.
* Tuning Informatica Mappings and Sessions for optimum performance.
* Developed various mapping by using reusable transformations.
* Prepared the required application design documents based on functionality required.
* Designed the ETL processes using Informatica to load data from Oracle, Flat Files (Fixed Width and Delimited) to staging database and from staging to the target Warehouse database.
* Worked on database connections, SQL joins, cardinalities, loops, aliases, views, aggregate conditions, parsing of objects and hierarchies.
* Responsible for monitoring all the sessions that are running, scheduled, completed and failed. If the session fails debug the Mapping.
* Involved in testing Unit and integration Testing of Informatica Sessions, Batches, fixing invalid Mappings
* Defined the program specifications for the data migration programs, as well as the necessary test plans used to ensure the successful execution of the data loading processes.
* Developed and executed scripts to schedule loads, for calling Informatica workflows using PMCMD command.
* Worked on Dimensional Data Modeling using Data modeling tool Erwin.
* Populated Data Marts and did System Testing of the Application.
* Built the Informatica workflows to load table as part of data load.
* Wrote Queries, Procedures and functions that are used as part of different application modules.
* Implemented the best practices for the creation of mappings, sessions and workflows and performance optimization.
* Created Informatica Technical and mapping specification documents according to Business standards.

**Environment:** Informatica Power Center 8.1, IDQ 8.1, Oracle 10g, Toad, SQL Developer, UNIX.

**Client: KMPG Group, Mumbai, India June.2010 – Aug.2012**

**Title: SQL Developer**

**Responsibilities:**

* Performed Integration, System, Regression, Performance and User Acceptance testing of an application.
* Written Test Scripts based on the Business requirements and executed Functional testing and data validation, data reconciliation with defect correction and retesting, followed by regression and performance testing.
* Involved in gathering and analyzing the user requirements in coordination with Business.
* Identified the Facts, Dimensions, and grain of the Dimensional mode, and referential joins.
* Performed Unit, Integration, and Regression testing to validate report and mapping functionality.
* Created mappings using PL/SQL packages to implement business rules while loading data.
* Involved in extensive DATA validation using SQL queries and back-end testing
* Used SQL for Querying the DB2 database in UNIX environment
* Tested the Oracle Applications and Portals like Executive Dashboard, Drill Down, Summary Reports, Portal built on Oracle.
* Used TOAD Software for Querying ORACLE. And Used Teradata SQL Assistant for Querying Teradata
* Worked with XML transactions for multiple feeds.
* Performed quality assurance reviews on all System Development Life Cycle.
* Participated in defect review meetings with the team members. Used MS-Word for documentation.
* Involved in other test planning meetings and submitted test metrics daily to the management.
* Responsible for different Data mapping activities from Source systems to Teradata
* Performed periodic checks to run crosscheck against QA/SIT/PROD environments to ensure it is up and running.
* Worked with the DW Architecture team in Testing complex Delta processing Loads
* Involved in Teradata SQL Development, Unit Testing and Performance Tuning
* Performed performance tuning by optimizing Target, Source, Mapping and Session.
* Involved in migration of mappings / workflows from Development to Testing and to production.
* Written test scripts to compare OLTP vs OLAP for ETL testing.

**Environment:** Informatica PowerCenter 7.1, Erwin, Oracle, SQL Tools, BTEQ, Power Connect, PL/SQL, UNIX, TOAD, Windows XP.