**Kartheek Punna**

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**Professional Summery**

* 7+ years of IT experience in the Analysis, Design, Development, Testing and Implementation of business application systems for Health Insurance and Telecom Sectors.
* Working in development of various projects involving Data Warehousing tool in using Informatica Power Center.
* Strong experience in the Analysis, design, development, testing and Implementation of Business Intelligence solutions using Data Warehouse/Data Mart Design, ETL, OLAP, BI, Client/Server applications
* Have an experience on Hadoop ecosystems.
* Knowledge/Exposure on Big data (HDFS,HIVE,HBASE,Impala,Sqoop, OOZIE, Kafka and Impala).
* Skilled in performing complete process of Extraction, Transformation and Loading of data from single, multiple sources into Data Warehouse or Data Marts
* Expertise in working with Flat file and relational databases such as Oracle 11g/10g/9i.
* Good at Oracle PLSQL based work apart from SQL scripting.
* Working extensively with slowly changing dimensions.
* Good experience in Teradata using using queries and utilities like BTEQ, MLOAD, FLOAD and TPUMP and fast export.
* Created UNIX shell scripts to run the Informatica workflows and controlling the ETL flow.
* Profound knowledge of unit testing and system testing on Informatica Powercenter code at various levels of the ETL.
* Experienced in handling challenges with **high volume datasets** from various sources like Oracle, Flat files, SQL Server, Teradata and GreenPlum and knowledge of optimal mapping techniques to handle high data volumes.
* Hands on experience in BigData as Hadoop-MapReduce, Pig, Hive, Sqoop, Flume, Spark using Scala & Spark using Java.
* Understand the business rules completely based on High Level document specifications and implemented the data transformation methodologies.
* Good at identifying and resolving on function and performance based bottle necks on Oracle PLSQL objects.
* Very good at SQL scripting, exclusively for module based functionality.
* Well and proved knowledge on writing PLSQL procedures, functions, cursors, collections and packages.
* Expertise at Database (Oracle PLSQL) performance tuning.
* Experience in using Oracle related tools like SQL \* Loader, Toad, SQL Navigator and SQL Developer.
* Independently perform complex troubleshooting, root-cause analysis and solution development.
* Experience with dimensional modelling using star schema and snowflake models.
* Experience in Creating and Maintaining Database objects like Tables, Indexes, Views, Synonyms, Object types and Collections.
* Experience on system study, design, development, post implementation maintenance and support of Oracle EBS or any ERP.
* Good understanding of Data warehousing concepts, ETL Processes and Data modelling concepts such as Design of the Dataflow, ER Diagrams, Normalization and De-normalization of Tables.
* Strong technical expertise in UTL\_FILE, DBMS\_SQL, DBMS\_OUPUT, DBMS\_UTILITY, DBMS\_JOBS packages.
* Good at working with production support and application admin teams.
* Team player, Motivated, able to grasp things quickly with analytical and problem-solving skills.
* Eager to contribute in a team-oriented environment having inner desire to gel and work for business growth
* Strong experience in offshore-onshore model projects work execution.
* Excellent analytical skills, logical reasoning, interpersonal skills, problem solving skills and communication skills.
* Excellent verbal and written communication skills with technical documentation skills

**Qualification**

Masters in Computer Science from Governors State University.

**Technical Skills**

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| Data Warehousing | Informatica Power Center 9.5/9.1/8.6.1/8.5/8.1.1, Source Analyzer, Warehouse Designer, Transformation Developer, Mapping Designer, Workflow Manager, Workflow Monitor. |
| Dimensional Data Modeling | Dimensional Data Modeling, Star Schema Modeling, Snowflake Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling, |
| Databases | Oracle 11g/10g/9i, Microsoft SQL Server, IBM-DB2, GreenPlum, Hadoop Ecosystems |
| Programming Languages | C, C++, SQL, PL/SQL, Java, SQL Plus, XML. |
| Scripting | Unix shell scripting, Linux |
| Other Tools | SQL \* PLUS, TOAD, PL/SQL Developer, Autosys and CA – ERWIN Data Modeler |
| Operating Systems | Windows, Windows- NT/2000/XP Professional, MS-DOS, UNIX, Sun Solaris and HPAIX. |

**Professional Experience**

**Client: ParkView Health (Fort Wayne, IN)**

**Role: ETL Informatica Developer June 2016 – till date**

**Responsibilities:**

* Responsible for Business Analysis, Requirements Collection and HLD creation
* Worked on Informatica Power Center tools- Designer, Repository Manager, Workflow Manager, and Workflow Monitor.
* Parsed high-level design specification to simple ETL coding and mapping standards.
* Designed and customized data models for Data warehouse supporting data from multiple sources on real time
* Involved in building the ETL architecture and Source to Target mapping to load data into Data warehouse.
* Creation of Greenplum tables as per the technical requirements.
* Developed ad-hoc queries on Teradata system for summarizing business operations and trends.
* Developed Teradata utilities to load external file data to custom table space for data mining.
* Created mapping documents to outline data flow from sources to targets.
* Worked on complex mappings, mapplets and workflow to meet the business needs ensured they are reusable transformation to avoid duplications.
* Extracted the data from the flat files and other RDBMS databases into staging area and populated into target locations(tables/files).
* Responsibilities include creating the sessions and scheduling the sessions
* Used various transformations like Filter, Expression, Sequence Generator, Update Strategy, Joiner, Stored Procedure, and Union to develop robust mappings in the Informatica Designer
* Developed mapping parameters and variables to support SQL override.
* Created mapplets to use them in different mappings.
* Pulled Oracle DB tables and databases into Hadoop systems.
* Working with HDFS file system and developed ETL mappings and load the data into Oracle Database.
* Involved into Replicate Transaction Data for Heterogeneous and Big Data Systems in Real Time.
* Working on NoSQL Databases - Hive and Hbase
* Working with Sqoop.
* Developed mappings to load into staging tables and then to flat files
* Used existing ETL standards to develop these mappings.
* Development of Oracle –PLSQL packages,triggers,views and creating new schemas for new modules etc.
* Provides knowledge transition to interface module team members as well to client based on new rollouts.
* Performance tuning in Oracle –PLSQL level & ETL component level.
* Working with UNIX and UNIX shell scripts.
* Remove exhaustive bottle-necks in Oracle PLSQL scripts and Informatica level workflows.
* Participate in all stakeholders meeting and Organizing technical standard meeting for reviews.

**Environment:** Informatica 9.6/9.5,Oracle 10g/11g, TOAD, PL/SQL, Greenplum, SQL, SQL\* Loader, UNIX Shell Scripting, Teradata, Hadoop Eco system, Autosys.

**Client: University of California Office of President (UCOP)Riverside, CA**

**Role: ETL Informatica Developer April 2015 – June2016**

**Responsibilites:**

* Preparation of Analysis document and mapping document.
* Worked on NoSQL database Hive for big data.
* Worked on Bigdata for informatica mappings as sources.
* Worked with Sqoop and Hbase.
* Worked on LINUX and LINUX Scheduling scripts.
* Extracted data from Oracle and SQL Server then used oracle for data warehousing.
* Used Shell scripting for automation of ETL work.
* Worked on complex Source Qualifier queries, Pre-and Post SQL queries in the Target.
* Prepare an exhaustive list of test cases covering all the requirements and all possible scenarios. Guide the team members in identifying the test scenarios corresponding to their code.
* Creating required Database objects like stored Procedures, Tables, Triggers and Functions. Stories maintained in the Version one tool and Code versions maintained in the Tortoise SVN tool.
* Building POC profiles/scorecards using various source systems such as Greenplum and Hadoop tables.
* Designed and customized data models for Data warehouse supporting data from multiple sources on real time.
* Implemented on Hadoop stack and different big data analytic tools, migration from different databases SQL Server2008 R2, Oracle, MYSQL to Hadoop.
* Used Teradata Manager Tools for monitoring and control the system.
* Worked with Teradata 12 utilities like BTEQ, Fast Load, and Multi Load and Query man.
* Designing Low-level design documents for ETL-workflow developments.
* Develop ETL-Informatica workflows as per business standard document.
* Performing unit testing in Develop environment and moving ETL workflows from DEV to SIT to UAT environment.
* ETL-Workflow deployments performing from SIT to UAT and UAT to Production environment once all tests are passed.
* Performing Mapping level, Session level and Workflow level tuning techniques and reduce cost of execution time.
* Process improvement activities by providing inputs both at technology front and deliverables.
* Doing root cause analysis whenever required.
* Creating/developing new database objects like triggers, cursors, anonymous blocks, functions, procedures and packages.
* Handling database (oracle PLSQL) issues in between interfaces.
* Writing SQL scripts and Oracle PLSQL packages to tackle different interfaces.
* Maintain data consistency between different systems, which are in different servers.

**Environment:** Oracle 10g/9i, SQL, PL/SQL, SQL\*Plus, SQL\* Loader, Greenplum, Teradata, Informatica Power Center, Tortoise SVN, LINUX, Autosys, Putty.

**Client: Health Care Service Corporation (HCSC) Chicago, IL**

**Roles: Informatica Developer August 2014 – April 2015**

**Responsibilities:**

* Extensively worked on ETL code using PL/SQL to meet requirements for Extract, transformation and loading of data from source to target data structures.
* Develop ETL-Informatica workflows as per business standard document.
* Used Shell scripting for automation of ETL work.
* Developing ETL (Informatica) components to extract data from flat files and DB tables
* Loading target tables as business requested to send the data to downstream systems.
* Utilized PLSQL tables and bulk collections to perform very quick loading of data.
* Rewrote the entire PLSQL package which was being used to send daily load status updates to the testing team. The email formatting was not elegant and had a lot of misalignment. Used HTML tags in PLSQL to deliver a well-organized and readable email status update to the testing group.
* Involved in building the ETL architecture and Source to Target mapping to load data into Data warehouse.
* Actively involved in optimization and tuning of SQL queries through utilizing the explain plan to find out the problem area of the query.
* Extensively used SQL LOADER to load data into the target tables. Wrote control files based on the both positional mapping and for CSV or tilde separated values.
* Provided support for the reporting team which was using crystal reports on the database. Analyzed and corrected the SQL queries to give the expected values.
* Wrote UNIX shell scripts to schedule time based loads for the Cron jobs.
* Implemented triggers that fired on detecting only updates that occurred on the column for logging purposes.
* Created complex VIEWS using joins and aggregate functions to support the reporting team and the BI team.
* Involved in the Performance tuning of complex SQL queries using Explain Plan.
* Extensively worked with the Business Analysts and the testing team to understand the requirements properly and fix the defects that were logged through testing.

**Environment:**Oracle 10g/9i, TOAD, PL/SQL, SQL, SQL\* LOADER, UNIX, Informatica Power Center 8.6

**Client: Magna Infotech Pvt. Ltd. (Bangalore, IND)**

**Role: SQL Developer Jan 2010 – May 2014**

**Responsibilities:**

* Collecting requirements from Customer for GSM Service project implementation
* Developing ETL (Informatica) components to extract data from flat files and DB tables
* Loading target tables as business requested to send the data to downstream systems
* Performing unit testing and moved ETL-Power center repository objects to UAT.
* Deploy ETL-workflows from UAT environment to Production environment.
* Providing primary support on production environment ETL workflows and handover to production support team after primary support period
* Debugging code and fix bugs, if any happens due to several changes in database environments.
* Guidance given to new joinees of other teams whose are working on PSG activities as well as new initiatives on GSM Tariff
* Involving and implementing new databases for many interfaces(OLTP based)
* Involved in production maintenance activities in informatica mapping, session and workflows.
* Creating Oracle database objects like Triggers, indexes, cursors, anonymous blocks,procedures and packages.

**Environment**: WINXP, Oracle9i,SQL, PL/SQL, Informatica Power Center, Unix,Toad, BR Tracker Tool, ITSME Tool, Putty, Rational clear case,