**Amulya Deepthi**

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**PROFESSIONAL PROFILE**

Highly competent **IBM DataStage Developer/ Consultant** with over 7 years of experience in Information technology in **Design**, **Development**, **Administrator** and **Implementation** of **various database** and **data warehouse technologies** (IBM **DataStage**v8. X/7.X) using components like Designer, Director and administrator. Over 5 years’ experience in writing complex **SQL** queries and **PL/SQL**, including the use of **stored procedures**, **functions** and **triggers** to implement business rules and validations in the situation of **Microsoft SQL**, **Oracle 11g/10g/9i.**

**PROFESSIONAL SKILLS**

* Extensive ETL tool experience using IBM Infosphere/Websphere Datastage, Ascential Datastage. Worked on Datastage client tools like Datastage Designer, Datastage Director and Datastage Administrator.
* Good Knowledge about the principles of DW like **Data marts, OLTP, OLAP, DimensionalModeling, fact tables, dimension tables and star/snowflake schema modeling**.
* Excellent in using highly scalable parallel processing infrastructure using **parallel jobs with multi-node configuration files.**
* Experienced in scheduling **sequence, parallel and server jobs** using DataStage Director, UNIX scripts and scheduling tools**.**
* Designed and developed parallel jobs, server and sequence jobs using Datastage Designer.
* Experience in using different types of stages like **Transformer, Aggregator, Merge, Join, Lookup, and Sort, Remove duplicate, Funnel, Filter, Pivot, Shared containers** for developing jobs.
* Worked and extracted data from various data sources such as Oracle, MS-SQL Server, and MS- Access, Teradata, DB2, XML and Flat files.
* Knowledge in using **PL/SQL** to write **stored procedures, functions, and triggers**.
* Extensive experience in **Unit Testing, Functional Testing, System Testing, Integration Testing, Regression Testing, User Acceptance Testing** and **Performance Testing.**
* Created **local and shared containers** to facilitate ease and reuse of jobs.
* Proven track record in addressing production issues like performance tuning, enhancement, data, and environment and memory issues.
* Worked as a part of Agile and Waterfall Software development team to develop ETL jobs.
* Imported the required Metadata from heterogeneous sources at the project level.
* Experience or working knowledge of **MS servers** and batch file scripting
* Have good knowledge on Facets, MS SQL Server and crystal reports.
* Experience or working knowledge of Unix/Linux servers and shell scripting
* Experience with **ftp, sftp, eftp and ssl transfer protocols**
* Extensively used shared containers to capture row count.
* Knowledge in using **Erwin** as leading Data modeling tool for **logical (LDM)** and **physical data model (PDM).**
* Proficient in using stages, Standardization, Scrubbing, Matching and Survivorship rules using QualityStage.
* Knowledge of Developing interfaces between DataStage and MQ Real Time Services and batch systems.
* Knowledge in Reporting Tool such as **Cognos and Business Objects.**
* Used the Data Stage Director and its run-time engine to schedule running the solution, testing and debugging its components, and monitoring the resulting executable versions (on an ad hoc or scheduled basis).
* Experience in **Production Support**, extensively worked on production support issues.
* Extensively used BI Integration Services to design ETL process and BI Analysis Services to create cubes.
* Involved in functional and technical meetings and responsible for creating ETL Source – to – Target maps.
* Modifying the existing jobs and Hash files according to the changing business rules
* Quick learner and adaptive to new and challenging technological environments.
* ETL / Team Lead experience with excellent problem-solving, organization and leadership skills.

**TECHNICAL SKILLS**

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| **ETL Tools** | IBM Infosphere DataStage 8.7, IBM Infosphere DataStage 8.5, IBM WebSphere DataStage 8.0.1, (Designer, Director, Administrator), Ascential DataStage 7.5.2 Enterprise Edition (Designer, Director, Administrator, Manager). |
| **Operating Systems** | IBM AIX 5.2/4.x, Linux, Windows 2000/2003/XP. |
| **Languages** | SQL, PL/SQL, Unix Shell Scripting, PERL Java, HTML, DHTML |
| **Database** | Oracle 10g/9i/8i, IBM DB2/UDB, Teradata, SQL Server 2003/2005/2008. |
| **Data Modeling** | Data Modeling, Star Schema Modeling, Snow-Flake Modeling, Fact and Dimensions, Physical and Logical Data Modeling using ERwin. |
| **Tools** | SQL Plus, SQL\*Loader, TOAD. Autosys Scheduling tool,IBM Rational Requisite pro |
| **BI Reporting Tools** | Business Objects, Cognos and Crystal Reports |

**EDUCATIONAL BACKGROUND**

**Bachelors of Technology,** **Sathyabama University**

**University in Chennai, India, 2005**

**PROFESSIONAL EXPERIENCE**

**Client: UNITED HEALTH GROUP, Eden Prairie**

**Role: Sr. ETL Data Stage Developer**

**Duration**: **May 2014 – Present**

UnitedHealth Group Inc. is a diversified managed health care company headquartered in Minnetonka, Minnesota. The One Pay Project aims at developing application as a part of strategic payment program owned by financial domain. This application provides enterprise wide payment solution for medical and consumer account claims. The major goal of this project is to plug into UHG Medical claim adjudication system and eliminate redundant payment platforms and consolidate over payment recovery. This project improves self-service capability, reduce complexities and increase visibility.

**Responsibilities:**

* **Involved in the Analysis of the functional side of the project by interacting with functional experts to design and write technical specifications.**
* Data base design & data model - Logical & Physical design.
* Worked on the Architecture of ETL process.
* **Created Data stage jobs (ETL Process) for populating the data into the Data warehouse constantly from different source systems like ODS, flat files, scheduled the same using Data Stage Sequencer for SI testing.**
* Extracted data from sources like Oracle and Flat Files.
* Experienced in using SQL \*Loader and import utility in TOAD to populate tables in the data warehouse.
* Successfully implemented **pipeline and partitioning parallelism** techniques and ensured load balancing of data.
* Debug, test and fix the transformation logic applied in the parallel jobs
* Preparing development timing plans & reporting to senior management about the supplier progress system & ensuring their engineering support for onsite integration & production launch.
* Developed technical infrastructure designs, data mappings, flows and report dissemination mechanisms by architecting Data Warehouses and Marts.
* Worked on Data Stage 8.x parallel Version.
* Designed and developed parallel jobs, server and sequence jobs using Datastage Designer.
* Experience in using different types of stages like **Transformer, Aggregator, Merge, Join, Lookup, and Sort, Remove duplicate, Funnel, Filter, Pivot, Shared containers** for developing jobs.
* Developed various bulk load and update procedures and processes using SQL \* Loader and PL/SQL.
* Troubleshooting performance issues with SQL tuning.
* Working in a team with other associate product & component developers.
* **Involved in Unit testing and Integration testing to test jobs and also the flow.**
* Worked on changed requests as per clients and projects technical specification needs.
* Awareness about the functional/business aspects for the components.
* Designed the ETL jobs using IBM Info sphere Data Stage 8.5 to Extract, Transform and load the data into **Staging**, **EDW** and **Facets.**
* **Automated process of job monitoring, which helped in minimizing the manual intervention & documenting them perfectly.**
* Experience in QA testing of ETL processes
* Provide support for monthly/weekly batches in production run.
* Involved in the Documentation of the ETL phase of the project.
* Developed the reusable components, best practices that were later on used in other Data warehouse.
* Documenting business process, lesson learned & best practices for the project.

**Environment:**Infosphere DataStage 8.7 and 8.5 (Designer, Manager, Director and Administrator), Teradata v2r6, v2r12, Autosys Scheduling tool, FACETS Trizeto Application interface, IBM Rational Requisite pro, Oracle 10g/9i, Aqua Data Studio, Toad, Shell Scripts, AIX 5.1.

**Client: CITIZENS BANK, Providence, RI**

**Role: Sr. ETL Data Stage Developer**

**Duration**: **Feb 2012 – Present**

Citizens Financial Group, Inc. is a British-owned American bank headquartered in Providence, Rhode Island. The EDI Project aims to support and improve CFG (Citizens Financial Group) revenue enhancement and expense reduction opportunities. EDI will achieve this through building new capabilities that standardize and streamline data collection and distribution. One of the key goals of the EDI program is to stage all the data from source system and fetch data from primary source data.

**Responsibilities:**

* Designed the ETL jobs using Infosphere DataStage Server 8.5 to Extract, Transform and load the data into Staging and then into Oracle Database.
* Extensively used the designer to develop various parallel jobs to extract, transform, integrate and load the data into Corporate Data warehouse (CDW).
* Designed parallel jobs using stages such as Join, Merge, Lookup, Remove Duplicates, Copy, Filter, Funnel, Dataset, Lookup, Pivot, and Sort, Surrogate key Generator, Change Data Capture (CDC), Modify, Row Generator and Aggregator.
* Handled Performance Tuning of Jobs to ensure faster Data Loads.
* Extensively worked with Shared Containers for Re-using the Business functionality.
* Created Job Parameters and Environment variables to run the same job for different schemas.
* Used to do code reviews for all the jobs before moving to production.
* Used ETL Job Control to run the jobs.
* Used Director to monitoring jobs, run and validating its components.
* Involved in the Performance Tuning of the DataStage jobs using different methodologies like configurations of the environment variable file, designing and editing configurations, increasing the reading as well as the writing speed while fetching or loading data to files or databases.
* Used QualityStage stages such as investigate, standardize, match and survive for data quality and data profiling issues during the designing.
* Migrated projects from development to QA to Production environments
* Performed the Integration and System testing on the ETL application.
* Taking the regular backups of the jobs using Data Stage Manager Export/Import utility.
* Working with BI team to apply the business rules for OLAP, designing the Frame Work models.
* Assisted operation support team for transactional data loads in developing SQL & Unix scripts
* Participated in Unit testing and Integration testing of DataStage jobs.

**Environment:**Infosphere DataStage 8.7 and 8.5 (Designer, Manager, Director and Administrator), Teradata v2r6, v2r12, SQL Server ,Autosys Scheduling tool, Oracle 10g/9i, Aqua Data Studio, Toad, Shell Scripts, AIX 5.1.

**Client: Johnson Control, Milwaukee, WI**

**Role: Sr. Data Stage Developer**

**Duration: Nov 2010 – Jan 2012**

Johnson Controls, Inc. is a Fortune 500 Diversified, multi-industrial American company globally offering products and services to optimize energy and operational efficiencies of buildings, automotive batteries, electronics and interior systems for automobiles.

**Responsibilities:**

* Extensively used DataStage for extracting, transforming and loading databases from sources including Flat files.
* Handled data in **SAP ECC** component in Building Efficiency.
* Extracted Financial and Production data from the **ECC (Enterprise core component).**
* Connect to **R3 systems** and developed jobs to extract data from R3 systems and **Infocubes.**
* Collaborated with team in, **High Level design** documents for extract, transform, validate and load ETL process data dictionaries, Metadata descriptions, file layouts and flow diagrams.
* Collaborated with team in, **Low Level design** document for mapping the files from source to target and implementing business logic.
* Generation of **Surrogate Keys** for the dimensions and fact tables for indexing and faster access of data in Data Warehouse.
* Tuned transformations and jobs for Performance Enhancement.
* Extracted data from flat files and then transformed according to the requirement and Loaded into target tables using various stages like sequential file**, Look up, Aggregator, Transformer, Join, Remove Duplicates, Change capture data, Sort, Column generators, Funnel and Oracle Enterprise.**
* Created Batches (DS job controls) and Sequences to control set of jobs.
* Extensively used DataStage Change Data Capture using change capture stage in parallel jobs.
* Executed Pre and Post session commands on Source and Target database using Shell scripting.
* Extensively worked on Job Sequences to Control the Execution of the job flow using various Activities & Triggers (Conditional and Unconditional) like **Job Activity, Wait for file, Email Notification, Sequencer, Exception handler activity and Execute Command**.
* Utilized **Parallelism** through different partition methods to optimize performance in a large database environment.
* Majorly Developed Datastage jobs to extract and load data into **SAP Systems.**
* Designed and developed parallel jobs, server and sequence jobs using Datastage Designer.
* Developed DS jobs to populate the data into **staging** and **Data Mart**.
* Executed jobs through sequencer for better performance and easy maintenance.
* Performed the **Unit testing** for jobs developed to ensure that it meets the requirements.
* Developed **UNIX shell scripts** to automate file manipulation and data loading procedures.
* Responsible for daily verification that all scripts, downloads, and file copies were executed as planned, troubleshooting any steps that failed, and providing both immediate and long-term problem resolution.
* Provided technical assistance and support to IT analysts and business community.

**Environment:**Infosphere DataStage 8.5/8.0.1 Edition (Designer, Director and Administrator), Teradata v2r6, v2r12, Oracle 9i, SQL Server, Aqua Data Studio, Toad, Shell Scripts, AIX 5.1.

**Client: Cigna Healthcare, Hartford, CT**

**Role: ETL Datastage Developer**

**Duration: Apr 2009 – Sep 2010**

Cigna is a leading healthcare provider and one of the largest health service companies in the US market; Cigna also operates internationally in 29 countries, and has approximately 66 million customer relationships worldwide. Cigna helps Employers and Organizations around the world protect their Employees. Cigna provides individuals and families with the coverage and tools they need to improve their health, well-being and sense of security-and lower their medical costs.

**Responsibilities**

* Implemented various strategies for Slowly Changing Dimensions of Type1, Type2 and Type3.
* Designed jobs using different parallel job stages such as Transformer, Join, Merge, Lookup, Filter, Dataset, Lookup File Set, Remove Duplicates, Change Data Capture, Switch, Modify and Aggregator.
* Involved in developing Designer- Server and PX jobs for Extracting, Cleansing, Transforming, and Integrating/Loading Data into Corporate Data Warehouse (CDW).
* Developed Job Sequences with restart capability for the designed jobs using Job Activity, Exec Command, E-Mail Notification Activities and Triggers.
* Extensively designed, developed and implemented Parallel jobs using Parallel Processing techniques to improve job performance while working with bulk data sources.
* Designed ETL jobs with complete understanding on GRID and used Autosys for job scheduling in grid environment.
* Extensively used Director to Monitor and check the run statistics of the Jobs and to clear the job logs, job resources.
* Extensively used - Manager to Export/import components.
* Worked on NFS File systems.
* Involved in Unit Testing of the jobs.
* Used configuration management tools like VSS for version control and migration.

**Environment:** IBM WebSphere DataStage 8.0.1 (Designer, Director and Administrator), IBM AIX UNIX, Oracle 10g, SQL Server, DB2, Flat files, Job control.

**Client: Home Depot, Atlanta, Georgia**

**Duration: Jan 2008 –Mar 2009**

**Role: ETL Data Stage Developer**

Home Depot is world largest home improvement retailer and second largest retailer in United States. The aim of this project is to integrate the Data that uses for extracting, transforming, staging and provisioning of all branches and their departments information to HDDW. An additional goal is to provide certified financial information in an acceptable format from BI to downstream consuming systems. Data is fed from DB2 to Teradata and transformed into compatible format

**Responsibilities**

* Involved with **Business users and ETL Leads** from different teams to implement ETL Frame Work using Server and Parallel jobs.
* Proficient in writing, implementation and testing of triggers, procedures and functions in PL/SQL and Oracle
* Excellent Experience in **Designing, Developing, Documenting,** Testing of ETL jobs and mappings in Server and Parallel jobs using Data Stage to populate tables in Data Warehouse and Data marts
* Extensively worked with Join, Look up (Normal and Sparse) and Merge stages.
* Extensively worked with sequential file, dataset, file set and look up file set stages
* Used DataStage as an ETL tool to extract data from sources systems, loaded the data into the **ORACLE** database.
* Created shell script to run data stage jobs from UNIX and then schedule this script to run data stage jobs through scheduling tool.
* Implemented parallel extender jobs for better performance using stages like Join, Merge, Sort and Lookup, transformer with different source files complex flat files, XML files.
* Optimized job performance by carrying out Performance Tuning.
* Created Stored Procedures to confirm to the Business rules.
* **Created Data stage jobs (ETL Process) for populating the data into the Data warehouse constantly from different source systems like ODS, flat files, scheduled the same using Data Stage Sequencer for SI testing**
* Involved in creating **UNIX shell scripts**for database connectivity and executing queries in parallel job execution.
* Used the **ETL Data Stage Director** to schedule and running the jobs, testing and debugging its components & monitoring performance statistics.

**Environment: IBM WebSphere Data Stage 8.1 (Designer, Director, Administrator), DB2, Teradata, SQL Server, Oracle 9i, IBM AIX UNIX, VSS.**

**Client: Aetna, Hartford, CT**

**Duration: Oct 2006 – Dec 2007**

**Role: Datastage Developer**

Aetna is a health insurance company that offers variety of plans to individuals, families and the self-employed. Project objective was to collect the data from the Quinetix source system and to load in sterling datamart that is used by end users to respond with better offers to the Customers.

**Responsibilities**

* Designed parallel jobs to handle source data acquisition and transform it for development applications during the software development life cycle as well as testing stages.
* Provide staging solutions for Data Validation techniques and Cleansing applications for different source systems.
* Involved in meeting with Business people to handle technical requirements.
* Involved in mapping team discussions to solve the issues in present version of mapping document.
* Used Shared Containers to handle Surrogate Keys and Classification IDs that are major identification components throughout the design.
* Created complex Ascential DataStage jobs to handle up to 25 million records for daily files as well as monthly files.
* Developed and used various Joins, Procedures for TeraData using TeraData utilities like BTEQ and SQL Assistant.
* Developed SQL queries to performed DDL, DML, and DCL against Teradata.
* Used Fast load, Multi load scripts to load data into Teradata
* Developed Audit Process for Tracking Update, Delete, Insert, Overwrite Counts.
* Designed XML stages for reading XML log files for capturing data stage jobs.
* Good experience with complex shell scripting using Unix, and PERL
* Used various stages like Sequential file, Transformer, Lookup, Join, Merge, ODBC, Aggregator, change capture and remove duplicates.
* Involved in low-level design and developed various jobs and performed data loads and transformations using different stages of DataStage and pre-built routines, functions and macros.
* Created and tested ETL processes composed of multiple DataStage jobs using DataStage Job Sequencer and developed shell scripts to automate the processes.
* Worked on testing of developed jobs and documented different test cases for different source systems

**Environment:**Ascential DataStage 7.5.2 Enterprise Edition, TeradataV2R5, Teradata BTEQs, Oracle 10g, Unix, XML Files, Flat files, Autosys 4.0, Erwin 4.0

**Client: Wizden Solutions Pvt. Ltd. India**

**Role: Datastage Developer**

**Duration: Aug 2005 - Sep 2006**

Wizden Solutions is an IT services company operating in the off shoring enterprise applications and outsourced product development space. The inventory system was designed to meet and track day to day transactions in a company.

**Responsibilities**

* Involved in functional meetings with business users to gather requirements and worked with business to sign-off the requirement.
* Extensively worked on designing the ETL process and creating source to target mapping.
* Extensively worked on developing ETL jobs using DataStage/QualityStage Designer using stages like Salesforce.com stage, DB2 Enterprise Stage, DB2 API Stage, Oracle Enterprise Stage, Transformer Stage, Join and Lookup stages etc.
* Designed and developed DataStage jobs to extract data from PeopleSoft, Mainframes and saleforce.com (SFDC) and commercial customer database (CCDB) into Enterprise Data warehouse.
* Installed salesforce.com Server and Client PACK.
* Extensively worked on applying server and client patches for Salesforce.com PACK.
* Involved in data modeling using Embarcadero ERStudio.
* Built commercial fact tables at a grain of customer, store, data, products etc.
* Extensively worked on building dimension tables like Customer, Store, Product, and Time etc.
* Worked with DB2 DBA team building replicated dimensions.
* Extensively used DataStage Director to run, schedule, monitor and reset DataStage and QualityStage jobs.
* Worked on Change capture stage and Slowly Changing Dimension (SCD) stage.
* Extensively worked on customizing Salesforce Object Query Language (SOQL) to extract data from SFDC.
* Extensively worked on customizing DB2 SQL and created truncate and run stats scripts and used in before and after job routines.
* Extensively worked on extracting data from PeopleSoft HR data into EDW.
* Extensively worked on building ETL jobs to extract and load data into PeopleSoft EMP (EMP OWS, OWE and MDW).
* Extensively worked with People Tools.
* Worked on customizing EPM ETL jobs as per the client requirements.
* Processed Sales and transaction counts to identify a primary store for commercial customers.
* Used DataStage Designed to create and compile jobs, importing/export objects.
* Worked on commercial customer data cleansing across the enterprise using Investigate
* Worked on UC4 to schedule DataStage jobs, UNIX scripts.

**Environment**: Ascential DataStage 7.5.2 Enterprise Edition, IBM DB2 9.1, Oracle 9i, Oracle PeopleSoft HRMS, PeopleSoft EPM 8.9, Business Objects 6.5, AIX 5.3, Unix, Toad, Windows XP, DB2, ER Studio,