**VANITHA.DEVINENI**

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**Summary**

**Sr DataStage Developer** with 7 years of experiencein Information Technology and expertise on **Design**, **Development**, **Administration** and **Implementation** of **various database** and **data warehouse technologies** (IBM **DataStage** v9.1/8.5/7.5.2). 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 **Microsoft SQL**, **Oracle 11g/10g/9i.**

**Professional Skills**

* Experience in using ETL tool extensively IBM InfoSphere/WebSphere DataStage, Ascential DataStage and SSIS.
* Took part in different aspect of a systems development life cycle of different projectsincluding Requirement Gathering, Data Modeling, Development, Production support, Maintenance and Performance tuning.
* Extensively worked on using Datastage Client components like **Datastage Designer Administrator, Director and Manager** in Data Warehouse ETL development.
* Having a profound knowledge and good understanding in the principles of Data warehousing concepts and also in using **DimensionalModeling, Fact Tables, Dimension Tables, Data Marts, star/snowflake schema modeling**.
* Experienced in designing and scheduling **sequence, parallel and server jobs** using Extracted and worked on data from various data sources such as Oracle, MS-SQL Server, MS - Access, Teradata, DB2, XML and Flat files.
* DataStage Designer and DataStage Director, also implementing UNIX scripts and scheduling tools**.**
* Having experience in using different types of Stages like **Join**, **Transformer, Aggregator, Merge, Change Capture, Lookup, Sort, Remove Duplicate, Funnel, Filter, Pivot, Shared containers** for developing different jobs.
* Wide 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.**
* 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).
* Adept at running Datastage director, viewing job logs, finding errors and fixing them in given time.
* Experience in **Production Support**, extensively worked on production support issues.
* Imported the required Metadata from heterogeneous sources at the project level.
* Good Knowledge on **Business Intelligence Development studio.**
* Extensively used BI Integration Services to design ETL process and BI Analysis Services to create cubes.
* Project Management experience with excellent problem-solving, organization and leadership skills.
* Quick learner and adaptive to new and challenging technological environments.

**Technical Summary**

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| **ETL** | IBM Information Server, Data Stage 9.1/8.5/7.5.2, (Administrator, Manager, Designer, Director, Orchestrate, Information Analyzer, Quality Stage) |
| **Operating Systems** | IBM AIX 4.3, DG UNIX. Windows XP/Windows 7, Linux |
| **Database** | Oracle 11g/10g/9i, Teradata,SQL Server 2005/2008, DB2 on AIX |
| **Languages** | Shell Scripts (Bourn), SQL, PL/SQL.XML, Java, C/C++ |
| **Scheduling Tools** | Tivoli workload Scheduler 8.5.1, Crontab Utility, AutoSys 11.3 |
| **Other Tools** | Erwin 8.2, HPQC, Microsoft Visio 2007, Microsoft Office 2010 |

**Engagement Overview:**

**Fair Health Inc,**New York, NY  **Mar 2015 – To Date**

**Sr ETL Consultant – DataStage**

**Responsibilities:**

* Involved extensively in the data migration team to build the Re-usable Datastage job templates, common parameter sets, common Datastage job containers, SQL extract procedures and common re-usable shell scripts.
* Worked with business analyst to identify, develop business requirements, transform it into technical requirements and responsible for deliverables.
* Implemented **Join, Lookup, Aggregates, Filters, Rank and Update Strategy** transformations.
* Worked towards optimal performance when using Stages like **lookup, join, and merge.**
* Extensively worked with **DataStage 9.1 V – Designer and Director** to load data from source extract files to warehouse.
* Provide the staging solutions for **Data validation and Cleansing** with PL/SQL and Datastage ETL jobs.
* Scheduled existing UNIX shell scripts using crontab.
* Modified UNIX shells according to the latest business requirement.
* Created Datastage jobs to load data from **sequential files, CSV, Flat files, SQL Server and Oracle**.
* Cleansed, Standardize data using Quality stage**.**
* Developed various jobs using ORA OCI, ODBC, Aggregator, Sequential file stages.
* Designed and developed DataStage jobs for Loading Staging Data from different sources like **Oracle, SQL Server DB into Data Warehouse** applying business rules which consists data loads, data cleansing, and data massaging.
* Used the Datastage Director and its run-time engine to schedule running the solution, testing and debugging its components, and monitoring the resulting executable versions
* Created **Shared Container** to simplify the **Datastage Design**, and used it as a common job component throughout the project.
* Encompasses Database designing, ETL phases of Data Warehousing. This is achieved with an emphasis on **relational data modeling** and dimensional data modeling for **OLTP and OLAP systems.**
* **Tuned** DataStage jobs for better **performance** by creating DataStage Lookup files for **staging** the data and lookups.
* Worked **with Metadata Definitions, Import and Export of Datastage jobs** using Datastage tools functionality.
* Defined production support methodologies and strategies.
* Created **Parameters and Parameter sets** where ever necessary.
* Scheduled the server jobs using **DataStage Director**, which are controlled by DataStage engine and also for monitoring and performance statistics of each stage.
* Tuned DataStage jobs for better performance by creating DataStage Hash files for staging the data and lookups.
* Used Quality Stage to coordinate the delivery, consistency, removing data anomalies and spelling errors of source information.
* Performed functional testing for **new release** enhancements.
* Participated actively in the team meetings with the developers for bug reviews.
* Developed Shell Scripts to automate file manipulation and data loading procedures.
* Worked with various **Partitioning** (Round-Robin, Hash fields, Entire, Same,modulus etc.) and Collection (Round-Robin, Ordered and Sorted Merge) techniques.
* Optimized the jobs and routines using various optimization techniques.
* Involved in creating **Technical Specification Document** (TSD) for the project.
* Performed **debugging** of some existing jobs using the Director to test and fix the errors.
* Symmetric Multi-Processing processors were used to accommodate partition parallelism.
* Unit tested DataStage Jobs in development including creating the appropriate test data.
* Used Data Stage Director for running and monitoring performance statistics.
* Created **Master Job Sequencers** to control sequence of Jobs using job controls.
* Enhanced the Job Performance by using proper Partitioning methods and analyzing the resources utilized using Job Monitor.

**Environment:** Information server - Datastage 9.1, SAP ECC, SQL Server, DB2, Oracle 10g, UNIX AIX, Crontab and Windows 7.

**Havi Global Solutions,** Downers Grove, IL  **Nov 2013 – Mar 2015**

**Sr DataStage Developer/ Admin**

**Responsibilities:**

* Working with both onsite and offshore team of **ETL Developers and ETL Analyst**.
* Involving with business users for identifying, prioritizing & resolving numerous data issues, create ETL Project Plans, design and development
* Handling both development and support teams andautomated the processes to reduce the manual efforts.
* Created new batches that utilized parallelism better (**Multi Instance**) and also simplified the environment by removing redundant objects.
* Involved in data profiling and data modeling.
* Interacted with Business Analysts to finalize the requirements and documented the technical design document for Coding.
* Extensively used Information Analyzer Client to perform Database comparisons and OLTP analysis
* Extensively worked with all the **new features in IBM information Server**.
* Worked with SCD stage for implementing slowly changing dimensions.
* Involved in the installation of IBM Information Server.
* Created shared and local containers to simplify and modularize server job designs by replacing complex areas of the diagram with a single container stage.
* Developed a **complex SQL code** to use in the common code approach to avoid writing several SQL scripts for different source table/file formats.
* Preparation of technical specification for the development of Extraction, Transformation and Loading (ETL) jobs to load data into various tables in Data marts.
* Worked with DataStage server Stages like **OCI, ODBC, Transformer, Hash file, Sequential file, Aggregator, Sort, Merge, Link Partitioner and other Stages.**
* Implemented and hardcoded high performance **DataStage routines.**
* Imported the required Metadata from heterogeneous sources at the project level.
* Used Environment Variables, Stage Variables and **Routines** for developing Parameter Driven Jobs and **debugging** them.
* Performed extraction, transformation and loading of data using different types of stages and by performing derivations over the links connecting these stages.
* Used Parallel Stages like Lookup, Join and Merge Stages for joining various information and also used Parallel Transformer, Column Generator, Funnel, Filter, Switch, Modify, Pivot, Row Generator.
* Used Parallel Extender Development/Debugging Stages like Row generator, Column Generator, Head, Tail and Peek for debugging of the jobs.
* Performed debugging on these jobs using Peek Stage by outputting the data to Job Log or a Stage.
* Developed Job Sequencer to execute jobs in proper sequence. Also automated email messaging was implemented using Sequencer to notify the operations team of any data load issues such as job failure, dropped rows, rejected rows etc.
* Worked with **IBM WebSphere Web Console** client to configure WebSphere to the Console connection.
* Responsible for monitoring/ troubleshooting jobs during the production of data load processes.
* Involved in documentation for Design Review, Code Review and Production Implementation.

**Environment:** Windows 2008, IBM Data Stage 8.5 Server/parallel/8.1/8.0/7.5/7.0 (Administrator Client, Manager, Designer Client, Director Client), Parallel Extender, Information Analyzer (IA), Oracle 11g, SQL Server 2008R2, SQL and AIX/UNIX.

**Fiserv,** Charlotte, NC **Oct 2012 – Nov 2013**

**ETL/DataStage Developer**

**Responsibilities:**

* Extensively used IBM Info sphere Datastage Designer and Director for creating and implementing jobs. Designed complex Data Stage mappings (**Parallel Extender and Server**) between sources (external files and databases) to the target-using Oracle as the target database.
* Wrote scripts to invoke the Datastage jobs.
* Used the Datastage Director and its run-time engine to schedule the jobs, testing and debugging its components, and monitoring the resulting executable versions (on an ad hoc or scheduled basis).
* Designed **Proof of Concept** (POC) for certain jobs which required heavy manipulations to be performed as part of fine tuning.
* Created **Parameter sets and parameters** for migrated jobs.
* Used Datastage to transform the data to multiple stages, and prepared **documentation**.
* Developed various jobs using stages using **OCI, Sequential file, XML.**
* Modified old jobs which had hashed files, replaced them with datasets to improve performance.
* Worked with SAP **R/3** server pack to connect to SAP system and extract the data using **ABAP** stages. Worked on several integrations involving pulling the data from the SAP modules like MM, SD
* Worked with multiple sources which Oracle, Flat files, DB2.
* Created containers to use in multiple jobs.
* Used debugger to test the data flow and fix jobs.
* Defined data base triggers & PL/SQL stored procedures for business validations.
* Extensively wrote **Routines**.
* Created and Monitored sequences using **Datastage Sequencer**.
* Wrote Comparative statements.
* Tested if the data is seen correct in the User Interface (ICM).
* Changed slow performing jobs to high efficient jobs by analyzing and making necessary manipulations.
* Used AutoSys to schedule jobs and e-mailed the status of ETL jobs to operations team daily.
* Provided production support and performed enhancement on existing multiple projects.

**Environment:** Information server -Datastage 8.5, SAP ECC, ESP Scheduler, AIX,Erwin 8.2, Windows XP, Oracle 9i/10g, DB2, WINSCP, AutoSys.

**Systems Technology Group Inc., Chennai, India Jan 2010 – Oct 2012**

**ETL Consultant - DataStage**

**Responsibilities:**

* Involved in various roles of **Administrator** and **Developer** throughout the project.
* Conducted the training sessions for other ETL developers on the best practices as well as performance improvement techniques.
* Managed analysis, design, coding and testing of ETL jobs for 7 Source Systems.
* Involved in implementing the Best practices and design standards. The Best practices include **Restart-ability, Recovery, Parameter standardization** and **Capacity planning**, etc.
* Participated in the review of Technical, Business Transformation Requirements Document.
* Prepared documentation to describe process development, logic, coding, testing, changes and corrections.
* Used **Partition methods** and **collection methods** for implementing parallel processing.
* Developed complex DataStage jobs according to the **business requirements / mapping documents.**
* Performed Unit Testing, System Integration Testing and User acceptance testing.
* Extensively Designed local containers and **shared containers** to simplify and modularize job design by replacing complex logics with single container Stage and also to promote reusability of job designs.
* Involved in importing and exporting jobs category wise and maintaining the **backupregularly**.
* Used **designer** and **director** to schedules and monitor jobs and to collect the performance statistics.
* Worked within a team to populate **Type I and Type II slowly changing dimension** tables from several operational source files Created some  routines (Before-After, Transform function) used across the project.
* Involved in creating **UNIX shell scripts** for database connectivity and executing queries in parallel job execution.
* Responsible to tune ETL processes to optimize load and query performance.
* Created standards document, best practices guide and performance tuning techniques documents.

**Environment:** IBM WebSphere DataStage Enterprise Edition 7.5.2, DataStage Server Edition 7.5, ProfileStage 7.5, Oracle 10g, Teradata, Cognos , Toad 8.0, Microsoft SQL 2005, IBM 2094 - System z9, AIX, Java, Star Team, WinSCP(FTP), SSIS 2005, Putty, Windows 2003 , Zeke, MS Visio, SAP MDM, Mercury Center.

**Noetix Corporation,**Hyderabad, India **Oct 2008 - Dec 2009**

**Jr. Data Warehouse Developer**

**Responsibilities:**

* Participated extensively in **both Design team and Engineering Team**.
* Handling **Multi-tasks** on a wide variety of functionality, issues, and projects.
* Prepared DMS (i.e., Functional specs), Test Cases and Unit test plans.
* Performing Data Quality on source systems.
* Loading Data in Oracle database deemed as Staging area.
* Defining process flow using Data Stage job sequences.
* End to End testing of ETL jobs.
* Worked as a DataStage administrator to perform routine administrative roles.
* Used DataStage Director to schedule, monitor and analyze DataStage jobs.
* Improved performance of poor performing data stage jobs and database ETL queries.
* Developed shared container jobs and template data stage jobs.
* Done Migrating and **Troubleshooting**.
* Used **Director** Client to validate, run, schedule and monitor the jobs that are run by IBM InfoSphere DataStage server.
* Designed **DataStage** sequences to specify Job execution order.
* Loaded data into staging area and then into Data Marts.
* Adherence to project standards and processes and provide valuable suggestions.
* Developed **ETL jobs**, **Harmonization & survivorship rules** applied in transformation jobs and **Load jobs** with Data Stage, and Oracle for C&IC and CCA-PLAN tracks.
* Strictly following Information Server **Best practice methods**.

**Environment:** IBM- Web sphere Data Stage 7.5, Toad, Oracle 9i, SQL plus, Visio 2003