**KRISHNA**

**SAP Business Objects Data Services Consultant**

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**SUMMARY OF EXPERIENCE:**

* Software consultant with 10+ years of professional IT experience which includes 8 years of experience in **ETL Development**, **Database Architecture**, **Administration** and **SAP Business Objects Applications**
* Expertise in Extraction, Transformation & Loading data using **SAP RDM content**/**AIO** methodologies in **SAP Business Objects Data Services (BODS)**
* Extensive **SAP Data Migration** experience in extracting data from both **SAP** and **Non-SAP** systems
* Involved in 4 full life cycle implementations, successful roll-outs and support activities
* Experience in managing Cut-Over activities in pre and post go-live phases of the roll-outs coordinating with Business, Basis teams and Functional counter parts
* Expertise in working with **SAP BODS**, **Information Steward**, **SAP S/4 HANA**, **Legacy Transfer Migration Cockpit (LTMC)** and **Winshuttle**
* Experience in loading data from multiple source systems to **SAP ECC, S/4 HANA** using **IDOC**, **BAPI**, **LTMC** and **LSMW**
* Worked on Master data objects such as Material Master, Vendor Master, Customer Master and Fixed Assets with Balances
* Experience in validating master data using Business Objects **Data Quality** Management and in providing **Address Cleansing** reports
* Configured and Installed Server and Client components of Business Objects Data Services (BODS) in Windows Environment
* In Depth knowledge in **Data Warehousing** & **Business Intelligence** concepts with emphasis on ETL and Life Cycle Development including requirement analysis, design, development, testing and implementation
* Worked extensively with Business Objects Data Services to create complex Data flows using Query, Table Comparison, Map Operation, Reverse Pivot, Key Generation and all other transformations
* Experience in integration of various data sources like **Oracle, DB2, SQL Server and MS Access into the Staging Area.**
* Expertise in **Dimensional Data Modeling**, **Star and Snow Flake Schema**, Fact and Dimensional Table design, **Slowly Changing Dimensions**
* Designed **Jobs**, **Workflows**, **Data Flows**, **Scripts** and Executing jobs with Data Services for loading data into target from variety of sources (Flat files, SAP BW, RDBMS)
* Ability to work independently as well as in team-oriented environments with good organizational skills, excellent communications skills

**EDUCATION:**

* Bachelor of Technology in Computer Science Engineering, JNTU, India

**SKILLS SET:**

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| --- | --- |
| **ETL Tools** | SAP Business Objects Data Services (BODS), Informatica Power Center |
| **Business Areas** | SD, MM, QM, HR and FI/CO  |
| **Data Migration Skills** | IDoc, BAPI, LSMW, LTMC, Winshuttle, BDC,  |
| **Databases**  | HANA, Oracle, MS SQL Server, DB2, Teradata |
| **Languages** | SQL, PL/SQL, Unix Shell Scripting |
| **Operating Systems** |  Windows, UNIX. |

**WORK EXPERIENCE:**

**Nutrien, Loveland, CO Sept’18 –Till Date**

**SAP BODS Consultant**

**Responsibilities:**

* Gathered requirements from business users and functional counter parts to migrate objects from multiple legacy systems to SAP S/4 HANA
* Performed profiling and address validation to cleanse the data for conversion
* Used Global Address Cleanse (GAC) transform to validate addresses of Customer and Vendor master
* Extracted tables and files from legacy systems like People soft, BPCS, ARS and Flat files to staging system and implemented business rules to migrate data
* Worked on objects like Fixed Assets and Balances, Work centers, Resources, Purchasing Info Records, Equipments, Task lists, Pricing conditions etc
* Worked extensively on IDoc and BAPI load programs to accommodate the loads to SAP S/4 HANA
* Worked on performance tuning of BODS jobs when the IDoc generation is slower
* Involved in setting up BODS in Development, Quality and Production landscapes
* Created repos for the users through Repository Manager and Central Management

Console (CMC)

* Schedule and monitored jobs through Management Console
* Migrated the jobs, and data stores connections between the environments and trained the users to execute the jobs from Management Console
* Worked in multiple Mock load model to mitigate the risks for Go-Live
* Worked on on-site/offshore model and coordinated with the business to get the requirements for the offshore resources
* Used Global variables, Local Variables and Parameters between Work flow and Data flow as per requirements.
* Used Winshuttle to load objects such as Transportation Zone, Chart of Accounts, Cost Centers and Banks
* Used Open Content Connector Tool (OCC) to load EHS Specification Identifiers, EHS Characteristics, EHS Compositions, and EHS Dangerous Goods Classification
* Addressed the defects logged in Service Now, Solution Manager to resolve the issues during the data loads

**Environment**: Business Objects Data Services 4.2, WinShuttle, SQL Server 2008, SAP S/4 HANA, Service Now, Solution Manager, Open Content Connector

**Briggs & Stratton, Wauwatosa, WI Jan’17 – Aug ‘18**

**SAP BODS Consultant**

**Responsibilities:**

* Gathered requirements from business users, Extract, Transform and Load data, designing reports and dash boards as per the business requirements.
* Extracted SAP ECC tables and developed mappings to extract tables from Legacy to Staging area then implemented rules to migrate data.
* Involved in data profiling and used validation and address cleansing transformations.
* Worked on PTP objects like Equipment, Functional Locations, Work Centers, Maintenance Plan, QM Notifications, Work Orders and RTR objects like Fixed Assets, AP/AR, 1099 Misc Reporting.
* Created mappings involving use of simple and complex transformations like SQL Query Transform, Table Comparison, Map Operation, Key Generation, Reverse Pivot transformations Case, Validation, Merge, lookup etc.
* Worked extensively with IDOCS and LSMW for loading data from SAP ECC 6.0 to SAP S/4 HANA
* Built jobs with validation, error handling and change data capture capabilities
* Tuned previously built jobs to optimize performance, reduce runtime and enhanced their error handling capabilities.
* Used global variables, local variables and parameters to control the data flow through different work flows and different ETL processes
* Worked with Data Quality transforms to enrich and enhance the data.
* Equipped the job with error handling capability in such a manner that the records failing validation are combined with the next load source data and are loaded in the next load
* Involved in setting up the Data Services architecture for Quality and Production environments
* Migrated the jobs, and data stores connections between the environments and trained the users to execute the jobs from Central Management Console
* Generated reconciliation reports to validate the loaded data with the legacy data
* Created multiple LSMW’s using Recording method and assign them to Application server to balance the system performance during load
* Parallel processing of IDOCs from RBDAPP01 program to optimize performance

**Environment**: Business Objects Data Services 4.2 , Information Steward, SQL Server 2008, SAP S/4 HANA

**Penske Truck Leasing, Reading, PA Aug’14 – Dec’16**

**SAP BODS Consultant**

**Responsibilities:**

* Worked with the Business Users and captured simple, moderate and complex business requirements. Collaborated with Data Warehouse Team to research existing business and system processes.
* Coordinated with Business Analysts, Solution Architects and DBAs to deliver applications on-time.
* Installed, Configured and Maintained BODS 4.2/3.2 in Linux environment.
* Migrated BODS from 3.2 to 4.2, upgraded the repositories, assigned new Job Servers, configured new repos in CMC and scheduled the batch jobs in Management console.
* Handled production support as part of day-to-day activities and resolved data issues.
* Experience in escalation process to resolve product issues working along with SAP support.
* Interacted with business analysts and end clients to understand the technical and functional requirements to create ETL jobs
* Worked independently on building Customer Data Warehouse, Customer Extranet and Vehicle Repository projects.
* Created complex Jobs, Workflows, Dataflows, and Scripts using various Transforms like Map Operation, Table Comparison, History Generation, and Key Generation.
* Used script objects for file existence check, validations check, incremental loads, error handling and job dependency.
* Created multiple views and materialized views to support Qlikview dashboards.
* Used Business Objects Data Services 4.2 interactive debugger to test the jobs and fixed the bugs.
* Implemented range-interval partitioning, a new functionality in Oracle 11g, to maintain the history of a table. Also written a stored procedure to drop and rename default partitions.
* Written a stored procedure to convert the data into JSON format and insert into target table using Oracle Application Express in Oracle 12c.
* Implemented the technique of parallel execution of the Oracle stored procedure through BODS script objects in unconnected workflows to reduce the overall execution time.
* Used global variables, local variables and parameters to control the data flow through different work flows and different ETL processes.
* Configured Hive Adapter, created new Hive Datastore to load data into Hadoop tables.
* Implemented Naming conventions and best practices for BODS across the enterprise.

**Environment**: Business Objects Data Services 4.2/3.2, Qlikview, Oracle 11g/12c, Hadoop, Hive 1.02.1, SQL Server 2008, AS400/DB2, Linux, Jira.

**Tufts Health Plan, Boston, MA May’13 – July’14**

**BODS Consultant**

**Responsibilities**:

* Migrated the data from legacy to SAP in four successful roll-outs.
* Gathered requirements from business users, Extract, Transform and Load data, building universes, designing reports and dashboards as per the business requirements.
* Involved in installation and upgrading SAP Data Services from 3.2 to 4.1
* Installed and configured Business Objects Data Services and assisted SAP BI Admin in installing Data Quality Management Business Add-Ins (BAdIs). Also loaded into each target client the supported countries on which Data Quality for SAP can perform postal validation.
* Created Data Integrator mappings to extract tables from multiple sources to Staging area then load to Data warehouse
* Designed generic data extractors to extract and transform the data to suit the Business warehouse data model
* Designed Material Master, Vendor Master, Customer Master Jobs in DS from Legacy to create IDOC Load Files
* Created Data Integrator mappings to load the data warehouse, the mappings involved extensive use of simple and complex transformations like SQL Query Transform, Table Comparison, Map Operation, Key Generation, Reverse Pivot transformations Case, Validation, Merge, lookup etc.
* Worked extensively with IDOCS and LSMW for loading data into SAP ECC 6.0
* Built jobs with validation, error handling and change data capture capabilities
* Developed complex source to target mappings based on the reporting requirements to relate fact and dimension tables.
* Unit tested the jobs to analyze the performance and debugged them
* Tuned previously built jobs to optimize performance, reduce runtime and enhanced their error handling capabilities.
* Worked with Data Quality transforms to enrich and enhance the data.
* Used parsing, correction, standardization, duplicate matching for arranging information using Data Quality Management.
* Used Global Address cleansing, US Regulatory Address cleansing, Data cleansing, Match transforms to cleanse the addresses
* Equipped the job with error handling capability in such a manner that the records failing validation are combined with the next load source data and are loaded in the next load
* Involved in setting up the Data Services architecture for Quality and Production environments
* Migrated the jobs, and data stores connections between the environments and trained the users to execute the jobs from Central Management Console
* Generated reconciliation reports to validate the loaded data with the legacy data
* Created Dash boards using Crystal Xcelsius to present the load statistics and compare the load iterations

**Environment**: Business Objects Data Services 4.1/3.2, Business Objects XI 4.0/3.2, Crystal XCelsius 2008, SAP BI/BO integration kit, Oracle 11g, SQL Server 2008.

**American Express, Phoenix, AZ June’12 – Apr’13**

**ETL Developer**

**Responsibilities:**

* Working with Data Architects and Business Analysts and Ab Initio developers to understand the data flow, existing logic and create Data mapping sheet for Informatica mapping development to convert the existing logic
* Analyzed existing Ab Initio graphs and prepared Design Documents
* Created High-level and Low-level Design Documents
* Creation of Business Requirement Document on the business logic involved in creation of feeds.
* Creating sample files on mainframes to perform testing
* Extract data from mainframes using Power Exchange and Cobol files.
* Performance tuning has done on mapping and sessions.
* Created reusable worklets and mapplets and transformations.
* Tuned performance of Informatica sessions for large data files by increasing block size, Data cache size and target based commit interval.
* Created and Configured Workflows, Worklets and Sessions to transport the data to target warehouse tables using Informatica Workflow Manager.
* Extensively used Framework Manager, Query Studio and Report Studio for model design, ad-hoc reporting and advanced report authoring.
* Involved in a data migration process between different versions of Cognos.
* Developed complex mappings, mapplets and parameter files in Mapping Designer using both the Informatica PowerCenter and IDQ
* Implemented fixes/solutions to issues/tickets raised by user community.
* Developed UNIX shell scripts using PMCMD utility and scheduled ETL Jobs.
* Identified performance issues in existing sources, targets and mappings by analyzing the data flow, evaluating transformations and tuned accordingly for better performance.
* Involved in the preparation of Test cases and Test Scripts.
* Handling User Acceptance Testing (UAT) with the downstream feed users for validation of feeds.
* Coordinated with UNIX and database Administrators.
* Upgraded Informatica PowerCenter, PowerExchange 9.0.1 to 9.5.1.
* Worked with developers to tune the SQL queries using SQL profiler

**Environment**: Informatica Power Center 9.5.1, Informatica Power Exchange 9.5.1, Informatica IDQ, IBM Mainframe, UNIX, Netezza, Cognos.

**Integrity Medical Systems, Fort Myers, FL Jan’11-Jun’12**

**ETL Developer**

**Responsibilities:**

* Interacted with Business Analyst and business users to understand the business requirements and Gathered requirements for enterprise data warehouse schemas.
* Created Data Integrator mappings to load the SAP ERP and R/3 tables to Staging area then to SAP Business Warehouse and Rapid Marts.
* Designed and Debugged ETL process to extract data from Sources systems (DB2, Flat Files) Transform as per business requirements and load the data into dimensional data models to support BI reports, Dashboard, scorecards.
* Designed, Developed and Debugged complex ETL jobs using Data Integrator Scripts, Workflows, Dataflow, Data stores, Transforms and Functions.
* Extensively used almost all the transformations like Map Operation, Table Comparison, Key Generation, Query, History preserving, and Case.
* Extensively used Lookup\_ext, Lookup\_seq and also created custom functions where repetitive code is required.
* Tuned Data Integrator Mappings and Transformations for the better performance of jobs
* Implemented incremental load for extract data from source (DB2) to staging tables.
* Created Data Quality jobs to cleanse and match data based on internal dictionaries.
* Scheduled batch jobs for processing flat files, XML files as source and target.
* Migrated ETL jobs as by both exporting and importing ATL files.
* Analyzed and created various indexes to enhance query performance.

**Environment**: SAP Business Objects Data Services 3.2, Business Objects XI 3.1, SAP BI 7.0/BW 3.5, SAP ECC 6.0, SAP BI/BO Integration Kit, Oracle 11g, SQL Server 2008.