**Md. Nawaz Khan Sr. Data Stage Developer**

**Mobile: 7865210329 Email:** [**nawazkhan0612@gmail.com**](mailto:nawazkhan0612@gmail.com),

* Around **8 years** of experience in system analysis, design, development and implementation of Data Warehousing Systems using **Data Stage**, application development and **Production Support**.
* Hands on Experience in Designing and Building Enterprise Data Warehouses using IBM Info Sphere **Data Stage (v9.1, v 8.5, v8.1, v7.5.3)**
* Involvement in different phases of the Software Development Life Cycle **(SDLC).**
* Experience in working with **Banking**/**Financial**, **Healthcare** and **Retail** Industries.
* Experience as working with onsite-offshore model projects while working closely with clients and team members.
* Experience in **Billing System in Advisory, Online Banking Conversion** (CUSTOMER, PAYEE, PAYMENT- One time and recurring and TRANSFERS- One time and recurring)
* Experience in gathering, documenting and analyzing the Business Requirement Documents, Software Requirement Specifications, **Functional Requirement Specifications** and **Usecases**.
* Highly knowledgeable in concepts related to Data Warehouses schemas, **Star Schemamodeling**and **Snowflakemodeling** and processes.
* Proficient in data warehousing techniques for data cleansing, Slowly Changing Dimension phenomenon; surrogate key assignment and **CDC (Change Data Capture).**
* Strong knowledge of **Extraction**, **Transformation** and **Loading(ETL)** processes using **DataStageETL** Tool.
* Experience as working with various Relational Data Bases **(RDBMS)** as **Oracle**, **DB2UDB**, **Teradata**, **Mainframe** Databases **(DB2, IMS DB),SQL Server**, and **ODBC** stages dealing as both source and target systems.
* Extensive knowledge and experience in Parallel job stages (Datasets, Sequential file, Aggregator, Funnel, Filter, **Look-Up**, Surrogate Key, Remove Duplicate, Transformer, Column/Row Generator and Peek) and Server Job stages (Hash File, Link partitioner/collector, Sort, Aggregator and Transformer) along with Complex **Flat Files** and **XML**formats.
* Usage of Teradata Bulk Load stages to Load the data into Teradata Database.
* Hands on experience with **Data Stage** Client Components -Designer, Director and Manager.
* Experienced in tuning and enhancing the performance of Sever Jobs using Link Partitioner, Link Collector Stages and **Explicit** (Inserting **IPC** Stages between connected active stages) and Implicit (turning on Inter-row buffering) methods.
* Dealt with Parallel Extender for **ParallelProcessing** to improve job performance while working with bulk data sources.
* Experience with most of the parallel stages with applying different **partitioning** techniques.
* Experience in loading high volume **data**, **debugging**, **troubleshooting** and **performancetuning**.
* Experience in **UNIX** environment as working with **(Korn)ShellScripts** to automate file manipulation and data loading procedures.
* Experience in designing and developing complex **DataStage** jobs, routines and sequences.
* Hands on experience in writing, testing and implementation of the triggers, **procedures**, **functions** at Database level using **SQL**.
* Worked on different scheduling tools like **TWS** and **Control-M.**
* Excellent communication skills and analytical skills and ability to perform as part of the team.

|  |  |
| --- | --- |
| **Technical Skills** | |
| ETL & Data Warehousing | IBM Info Sphere Data Stage v9.1, v8.X, ASCENTIAL Data Stage 7.5.2/7.5/7.1, ABINITIO  GDE 1.12 & Co>operating System 2.1 |
| Databases | ORACLE 8i/9i/10g/11g, DB2 UDB 7/8, SQL SERVER 6.5/7.0, TERADATAV2R6/V2R5, Netezza, Mainframe Databases (DB2, IMS DB) |
| DB Tools | SQL-Developer, SQL Navigator, SQL Loader |
| Programming Languages: | C, JAVA, SQL, PL/SQL, C# and Python |
| Data Modelling | Dimensional Modelling, Star Schema, Snow flake Schema |
| Operating Systems | Windows XP Prof 5.1, Win 98/2000, Windows NT 4.0, UNIX AIX/SolarisV8/10, AS/390 |

|  |
| --- |
| **Education** |

* Bachelors in Computer Science.

|  |
| --- |
| **PROFESSIONAL EXPERIENCE** |

**BB&T, Salem, NC**

**Sr. Data Stage Developer/Lead Aug 14 - Till Date**

The BB&T Corporation (Branch Banking & Trust) is one of the largest financial services holding companies in the U.S. Based in [Winston-Salem, North Carolina](https://en.wikipedia.org/wiki/Winston-Salem,_North_Carolina), the company operates 1,824 financial centers in 15 states and offers a full range of consumer and commercial banking, securities brokerage, asset management, mortgage, and [insurance](https://en.wikipedia.org/wiki/Insurance) products and services.

**Responsibilities:**

* Reviewed the project scope, requirements, architecture diagram, proof of concept **(POC)** design and development guide lines.
* Dealt with various development/debug stages like row generator to create the test data for the jobs.
* Extensively used Dataset, Aggregator, Sort, Join, Funnel, Lookup, Merge, Filter and other parallel stages in developing the solution.
* Dealt with various database stages (**Oracle**, **DB2** stages) as a source and target systems.
* Worked with Data Stage Designer to develop processes for extracting, cleansing, transforming, integrating, and loading data into target files.
* Dealt with hash files for internal data flow across the jobs also for removing duplicates in server jobs.
* Dealt with Execute Command Array routine in Batch jobs to initiate the Hash script which generates the Hash fields that are passed in the input file to the script.
* Developed the jobs with Change Capture stage to capture the change to the output dataset by comparing the before and after datasets.
* Performed various kinds of joins using join stage for the expected results.
* Created Job parameter sets for reusing the parameters.
* Executed the batch processes by using Server jobs frame work with (**csv** and **ini**) files as arguments.
* Worked with UNIX environment to execute (**Korn**) shell scripts along with basic tasks.
* Extensively used Resource Estimation feature of Data Stage to implement ETL solutions with good performance.
* Performed various Data Stage performance tuning techniques along with available performance analysis feature.
* Monitored the jobs/processes by utilizing the Director Logs and various Environment variables.
* Involved in weekly Code Review meetings to ensure the code deliverables meet the standards.
* Developed and unit tested ETL jobs according to requirements in the Technical Specifications.
* Involved in weekly project plan meetings to track the progress of work and to reach the mile stones.
* Achieved the project success within the committed timelines and quality of work as a great working experience with off-shore team of developers and with the client.

**Environment:** Data Stage 8.5, Oracle, IBM DB2, UNIX shell programming, ETL Batch, Putty,WinSCP, TWS, and Windows XP.

**Walmart, Bentonville, AR Apr 13 – Aug14**

**Data Stage Developer**

Walmart is an American [multinational retail corporation](https://en.wikipedia.org/wiki/Multinational_corporation) that operates a chain of [hypermarkets](https://en.wikipedia.org/wiki/Hypermarket), [discount department stores](https://en.wikipedia.org/wiki/Discount_department_store) and [grocery stores](https://en.wikipedia.org/wiki/Grocery_store). Headquartered in [Bentonville, Arkansas](https://en.wikipedia.org/wiki/Bentonville,_Arkansas). Walmart is the [world's largest company by revenue](https://en.wikipedia.org/wiki/List_of_companies_by_revenue), according to the [Fortune Global 500](https://en.wikipedia.org/wiki/Fortune_Global_500) list in 2014, as well as the [biggest private employer](https://en.wikipedia.org/wiki/List_of_largest_employers) in the world with 2.2 million employees.

**Responsibilities:**

* Analysed the data and gathered the requirements for building a data warehouse.
* Actively involved in analysing the old database system and mapping tables, relationships, columns
* Enforced the Business Rules by creating constraints.
* Successfully managed Extraction, Transformation and Loading (ETL) process by pulling large volume of data from various data sources.
* Tested to optimize the Stored Procedures and Triggers to be used in production.
* Created Database Objects Tables, User defined functions, Triggers, Stored Procedure, Constraints.
* Successfully implemented indexes on tables and views for optimum performance tuning.
* Debugging / editing the existing SQL Scripts.
* Optimized the performance of various SQL scripts.
* Documented all process and Data Flow involved in the database for future reference.

**Environment:**Data Stage 8.1, Ascential Data Stage 7.5.1, PL/SQL, SQL Server 2000, Oracle 10g, UNIX (Sun Solaris Os 9/10), Netezza, Teradata, TWS, Windows XP.

**AmSouth Bank, Orlando, FL June’11 – Jul’13**

**ETL Developer**

AmSouth is a leading financial services industry and a secondary mortgage lender among regional banks in the Southeast that offers corporate benefits, competitive pay and incentives. It is currently implementing a project called ICM (Incentive Compensation Management) on Compensation for their Employees. All the Master Data (Employees, Products, Customers and Territories) and Transactions (History and current) are on a UNIX box, PeopleSoft EPM, DB2 and Mainframe data storages. ETL tool (Data Stage) is used to transform all the data to a standard format into the Data Warehouse applying business rules, which is later used for reporting purposes. The Data Warehouse is Oracle database named Data Provisioning Area (DPA).

**Responsibilities:**

* Extracting, Transforming and Loading data into Oracle tables using Data Stage as ETL tool by applying various business rules.
* Prepared the detailed definition documentation of requirements, design, and development for the sources.
* Used Data Stage Designer for extracting data from PeopleSoft Flat files, UNIX file system, DB2 and Mainframe data storages (data as flat files).
* Used Data Stage Manager for importing metadata from repository, creating new job categories and new table definitions.
* Created table definitions and look-up reference data from Revenue Management and Contract Accounts.
* Wrote transformation logic by using different functions like Field, Trim etc., for formatting data from source systems.
* Extracted ICM Master Data tables, Transaction tables and Calendar / Period tables and building Lookup Files for Transaction Processing lookups.
* Extracting and filtering Invoices and Credits (Adjustments) from the UNIX file system.
* Aggregated the borrower’s data and loan data for loan sales.
* Extensively involved in analysing the data for each load (Weekly/Monthly) and working with the Business group to modify or re-define the transformation rules due to discrepancies in the data.
* Creating and using the data sets for testing and debugging the jobs.
* Creating Sequencers for executing the jobs in batch and combining different job interfaces.
* Creating email notifications in Sequencers for emailing the error logs, exceptions and job status.
* Using the Data Stage Director and the log files for monitoring the errors and results, resolving the Data Stage jobs locking by using clean up resources in Data Stage Director.
* Tuning SQL statements in existing programs and creating new SQL queries (by effectively using them) to analyse the performance of queries.
* Writing Shell Scripts and scheduling Jobs using TWS.
* Involved in preparing and executing test cases (by using Test Director) for unit and integration testing.

**Environment:**Data Stage 8.1, SQL, UNIX Shell Scripts, TWS, PeopleSoft EPM, DB2, Oracle 10g, UNIX AIX, Windows XP.

**Hawaiian Telecom, Dallas, TX Feb’ 11- May’11**

**Data Stage Developer**

Hawaiian Telecom, Inc., is the [incumbent local exchange carrier](https://en.wikipedia.org/wiki/Incumbent_local_exchange_carrier) (ILEC) or dominant local [telephone company](https://en.wikipedia.org/wiki/Telephone_company), serving the state of [Hawaii](https://en.wikipedia.org/wiki/Hawaii). Hawaiian Telecom provides a wide range of consumer, business, wholesale communications and technology services. Service offerings include local phone, long distance, [internet services](https://en.wikipedia.org/wiki/Internet_service_provider) ([DSL](https://en.wikipedia.org/wiki/DSL) and [Fibre Optics](https://en.wikipedia.org/wiki/Fiber_Optics)), and television service along with wireless service such as a [mobile virtual network operator](https://en.wikipedia.org/wiki/Mobile_virtual_network_operator) using [leased](https://en.wikipedia.org/wiki/Leased_line) capacity provided by [Sprint](https://en.wikipedia.org/wiki/Sprint_Nextel_Corporation) and [Verizon Wireless](https://en.wikipedia.org/wiki/Verizon_Wireless)'s [CDMA](https://en.wikipedia.org/wiki/Code_division_multiple_access) networks on the consumer side.

**Responsibilities:**

* Extensively used Data Stage Designer to develop various jobs to extract, cleanse, transform, integrate and load data into Staging and then to Mainframes Datasets.
* Extensively used all the stages of Data Stage EE like Look up, Merge, Remove Duplicate, Sort, Filter, Transformer, Dataset, Row Generator, etc.
* Extensively wrote user SQL coding for overriding for generated SQL query in Data Stage.
* Wrote SQL Scripts for data validation and data quality.
* Designed, developed and deployed Data Stage Jobs and fine-tuned them by implementing best practices following Naming Standards and parameterized the variables from Global Environment to stage level.
* Exclusively Wrote Shell Scripts for running Scheduled Data Stage Jobs and other related scripts based on requirements.
* Used Data Stage Director to monitor clean-up resources and run job.
* Created Job Sequencers to control set of Data Stage jobs.
* Participated in the review of Technical, Business Transformation Requirements Document.

**Environment:**Data Stage 8.1, Oracle 10g, SQL, MS SQL Server, UNIX.

**Aetna, Hartford CT Feb’08- Jan’10**

**Database Developer**

Aetna is an American [managed health care](https://en.wikipedia.org/wiki/Managed_health_care) company, which sells traditional and [consumer directed health care](https://en.wikipedia.org/wiki/Consumer_directed_health_care) insurance plans and related services, such as medical, pharmaceutical, dental, behavioural health, long-term care, and disability plans. Aetna offers health care, dental, pharmacy, group life, disability, and long-term care insurance and employee benefits, primarily through employer-paid (fully or partly) insurance and benefit programs, and through [Medicare](https://en.wikipedia.org/wiki/Medicare_(United_States)).

**Responsibilities:**

* Responsible for full life cycle development of the software.
* Responsible for requirement study at client side and preparing system specification and requirement specification.
* Involved in the preparation of specifications for SQL procedures and functions to do the data migration and conversion.
* Created Oracle SQL Functions, Procedures, Triggers, Records and Collections.
* Created numerous views and materialized views to improve the performance.
* Provided Test Data to QA team for validation.
* Written stored procedures and packages for Fetching, Inserting, and updating loan information
* Responsible for Performance Tuning, Optimizing SQL scripts.
* Designed, developed, and tested Oracle SQL stored procedures, functions, triggers and design/development of new tables

**Environment:**Data Stage 9.1, Data Stage 8.5, Oracle 10g, SQL, SQL Loader, UNIX Shell Scripting, TWS.