

Aditya Singh
IT Analyst
Tata Consultancy Services, Noida
Work Experience: 6.3 years

Email: singh.adi.aditya6@gmail.com
Mob: +91 8087075225
LinkedIn URL: <https://www.linkedin.com/in/aditya-singh-b88530165/>

About Me

IT Analyst with 6.3 years of experience in program management and strong programming skills.
Seeking to utilize automation and troubleshooting and know how to maintain and improve IDS cloud infrastructure and processes.

Professional Summary

AWS and Python experience

- Developer for Pharmaceuticals and Healthcare unit of TCS.
- Work primarily includes migrations from on-prem to AWS.
- Working as Senior Python Developer to analyze, implement and coordinate the delivery of high quality, resilient solutions for the integration between two different systems of the customer.
- Extensively working on handling nested JSON format data using different **python** libraries, pandas, **Pyspark dataframes** and AWS services such as **Lambda, Glue, CloudWatch, CloudFormation, Airflow, CICD and Athena**.
- Work with application and architecture teams to conduct proof of concept (POC) and implement the design in production environment in AWS.
- Hands on experience in implementing DevOps pipeline using Github and AWS CI/CD tool sets.
- Be part of the client's scrum team and work on user stories.
- Development of applications is done under Agile methodology.
- Working knowledge of Windows or Linux operating systems – experience of supporting and troubleshooting issues and performance.

ETL and Database Experience

- End to end experience in ETL process using Informatica tool.
 - Created SCD's also have experience with Joiner, Router, Union etc.
 - Experience on working on Netezza, Oracle, Teradata and SQL Server databases.
 - Decent experience with DDL, DML operations, Able to write queries with joins, subquery concept.
 - Understand the Business Rules Completely Based on High Level Document Specifications and Implements the Data Management, Migration, Conversion Methodologies using INFORMATICA, oracle.
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- Strong Experience on Workflow Manager Tools – Task Developer, Workflows & Worklet Designer and Managing, Scheduling, and Monitoring of Informatica workflows.
- Worked on all the transformations like Connected and Unconnected - Remote Lookup, Aggregator, Expression, Filter, Router, Update Strategy, Connected and Remote Stored Procedure and Sequence Generator, Sorter.
- Experience in UNIX shell scripting to perform job scheduling.
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Technical Skills

- **Programming Language:** Python Scripting, Shell Scripting, PL/SQL, JSON, YAML
- **Cloud:** Amazon Web Services (AWS)
- **Tools:** Informatica PowerCenter 10.2/9.6/9.1/9.5 (Designer, Workflow Manager, Workflow Monitor, Repository manager and Informatica Server).
- **Databases:** Oracle 11g, MS SQL Server, Teradata, Netezza
- **Packages:** MS Word, MS Excel, MS Visio, MS PowerPoint
- **Scheduling Tools:** CA Workload Automation Tool
- **Operating Systems:** Windows XP, UNIX
- **Testing tool:** HP Quality Center (ALM), Jira

Professional Experience

Tata Consultancy Services, Noida

Project: Enterprise Consumer Data Product

Role: Team Lead/ Senior Developer

Responsibilities:

- To extract the data from Reltio MDM to AWS S3 using export API script written in Lambda (Python).
- To flatten the nested JSON data structure using AWS Glue job *written in Python (pyspark)*.
- To place the flattened files from S3 to Athena using Glue Crawlers.
- Developed Lambda function for consumption of data through API Ingestion.
- Analyzing the requirements and suggesting various ways to perform the tasks.
- Building a CI/CD pipeline using Code pipeline and integrate it with Github

Project: BUIT_Polaris changes for MHS_Off

Role: Application Support

Responsibilities:

- Running various queries in SQL server to check the status of the applications and updating the tables and data as per the business requirement
 - Experience in extraction, transformation and loading of data from different source systems like oracle, flat files, etc.
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- Monitor system integrity through daily system checks, to ensure a high standard of service is provided to clients.
- Performed data manipulations using various Informatica Transformations like Filter, Expression, Lookup (Aggregate, Update Strategy, Joiner, Router, Sorter and Union).
- Performed SQL performance tuning and hints to direct the optimizer to choose an optimum query execution plan.

Project : PNC_RET_DEV_PTK_ICD_Migration

- Role: Developer

Responsibilities:

- To compare data of tables from Oracle to Teradata
- To perform the data and structure validation of tables from Oracle to Teradata
- Involved in design, development and implementation of ETL process in power center. Responsible for managing, scheduling and monitoring the workflow sessions
- Developed Transformation Logic to cleanse the source data of inconsistencies before loading the data into staging area which is the source for stage loading.
- Created complex Informatica mappings, reusable objects of Maplets depending on client requirements
- Used Filters and provided Customized prompts appropriately to avoid excessive data showing up Reports.
- Responsible for Error handling, bug fixing, Session monitoring, log analysis
- Implemented various Data Transformations using Slowly Changing Dimensions.

Academics

- Bachelor of Technology in Electronics and communication Engineering
Uttar Pradesh Technical University (2014).
- Higher Secondary of Certificate, DAV Public School, Meerut (2009).
- Secondary School Certificate, DAV Public School, Meerut (2007).

Trainings and Certifications

- Completed E1 level trainings in Big Data (Hadoop), Informatica, AWS and Python
- Completed Big Data Hadoop Certification Training from Edureka

Achievements

- Star of the month Award received in March-21 for successfully implementing the AWS POC work
- Three On the spot awards received for various projects.

Personal Details

Date of Birth	27 Jan 1992
Address	194, Global City, Ganaganagar, Meerut - 250001

