

Sahil Vohra

Software Engineer, TEKsystems Global Services

B-54, Chandanvan Phase-2, Mathura, Uttar Pradesh

sahilvohra1006@gmail.com

(91)8630510901

Professional Summary

Software development engineer with a concentration on data analytics automation and cloud with over 18 months of technology consulting experience in the areas of Python development and automation, Database Management, SQL, Cloud Computing and data visualization.

Professional Skills

- Experience in **Designing** solutions for Business critical processes and their implementation for large corporate clients.
- Strong experience in **Automating** business critical solutions with optimum performance to reduce manual effort.
- Hands-on experience on variety of databases including **Oracle, SQL Server, Snowflake**.
- Certified **Azure Fundamentals**.
- Experience in deploying and managing **Cloud (AWS)** services like **S3, EMR, EC2, RDS, IAM** and others.
- Well experienced in translating business users needs into Technical Design Documents
- Excellent communication skills, problem-solving skills and an attitude to learn the new cutting-edge technologies.
- Demonstrated experience in administration of **Tableau** server and development of visualization and dashboards.
- Developed extensive POS using **Python** and **Pyspark** for automating various data migration, data loading and script conversion and generation processes.
- Developed several **Python** based scripts to **automate** data validations and other manual interventions.
- Developed **Python** based **utilities** to aid in the smooth and quick progress for the development cycle of the project.
- Experience in developing PL-SQL procedures for implementing business processes for clients.
- Experience working in both Waterfall and **Agile** models of SDLC.
- Participated in 15 days training on python and data science which helped us touch base with essentials of data science.

Technical Skills

Reporting Tools	Tableau
ETL Tools	Informatica (IICS)
Languages	SQL, PL-SQL, Python, Pyspark
Databases	Oracle18c, SQL Server , Snowflake
Cloud	AWS(S3, EC2, RDS,EMR, IAM)

Academic Qualification

- B.Tech. in Computer Science Engineering from G.L. Bajaj Institute of Technology and Management, Uttar Pradesh with 75% aggregate

Project Summary

Client: Allegis Group Inc.

January'20 –till date

Description: This project aims at migrating data from an on-prem Oracle warehouse to SQL Server warehouse hosted on Azure cloud platform. At a high level this a complete ETL process of loading data from Oracle warehouse applying transformations and loading data to Azure hosted SQL Server.

Role: Data Engineer, **Python Developer**

Tools and Technologies: **Python, SQL, PL-SQL, Oracle, SQL Server**

- Designed and built Python based tool to extract table structure from Oracle DB, transform and generate the DDL's for tables as per SQL Server standards.
- **The tool supports both INIT as well as INCREMENTAL structural changes in tables.**
- Developed PL-SQL procedures to orchestrate loading of data from Stage environment to higher environments including incremental data loading.
- Designed, developed and tested PL-SQL procedures for data validation and cleansing as per Business requests.
- Developed Python scripts to automate manual processes to assist in speeding up the development phase of the project.
- Solutioning and implementing business critical tasks to achieve the desired results as per client's requests.
- Designed tableau reports for the events provided by the client to showcase in a graphical way.
- Developed python based data quality check utility to compare and identify data reconciliation between Oracle and SQL Server databases.

Client: Allegis Group Inc.

Project: Cloud Migration Toolkit

December'20 – till date

Description: This product was conceptualized as a one-stop shop for migrating existing on-prem legacy warehouses to snowflake. The tool supported database objects like view, packages, procedures, tables, and sequences and could achieve a migration percentage of 83% on average.

Role: **Python, Developer, ETL Developer**

Tools and Technologies: **Python, Pyspark, PLSQL, TSQL, Oracle 12g, SQL Server, Snowflake Cloud DB.**

- Formed a two-step process to migrate data from on-prem warehouses to snowflake. This process includes migrating data from on-prem Database to Cloud storage as an external stage and from external stage to Snowflake warehouse.
- Built an entire new orchestrator for complete extraction, conversion, migration of table structure with data and deployment using Python and Pyspark.
- Automating Migration of table and data from on premise database to Snowflake with full load, incremental load options using Python and Pyspark.
- Automating deployment of PLSQL and T-SQL Objects like Procedures, Functions, Packages, Views and Sequences.
- Tool helps save approx. 2000 person-hours.

Client: TRowe Price Group Inc.

Project: IISC Automation

Description: The focus of the project was to automate the IICS process of generating XML files from flat files by harnessing the power of Distributed Computing using Spark and deploy the code using the **AWS Elastic MapReduce(EMR)** Service.

Role: **AWS Cloud Architect, Pyspark developer**

Tools and Technologies: **Pyspark, AWS EMR, S3, EC2, IAM, Terraform, Databricks** platform

- Creating/Managing accesses and infrastructure of AWS services such as IAM, EC2, EMR clusters as per computational needs.
- Implemented Infrastructure as a code (IaaC) approach for provisioning AWS machines using Terraform platform by HashiCorp.
- Developed spark based scripts to generate the results as per business use cases.
- Deployment of spark jobs on EMR clusters and generating statistical analysis for the jobs.
- Implemented distributed computing using Elastic MapReduce service of AWS to manage jobs between worker nodes in the Hadoop cluster.