

SANDEEP SINGH

SENIOR DATA ENGINEER & BI SPECIALIST

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SUMMARY

Over 14 years of IT industry experience in Software Development, Business Intelligence Specialist and GCP Data Engineer, with the ability to interpret and analyze data to drive innovative successful business solutions. Proficient knowledge in cloud computing in modern businesses using the Key features of GCP. Focused, high energy individual, targeting challenging work to contribute to the success of the organization by fully utilizing the skills and knowledge.

TECHNICAL SKILLS

Languages: Python, C#

Web Tools: ASP.Net, VB.Net, Web Services, Java Script, AJAX, Flask

BI & Cloud Tools: SQL, SSIS, SSRS, Power BI, ETL, Data Cleaning, Composer, Big Query, Airflow, DAG, PySpark.

Other Tools: Git, JIRA, Azure DevOps, MS Office

KEY SKILLS

- Writing GCP Airflow DAG with multiple tasks
- Defining and scheduling workflows
- Monitoring and managing Airflow dataflow executions
- Debugging and troubleshooting failed ETL/ELT Process
- Handling errors and retries in Composer workflows
- Design and Deploy SSIS Packages

EDUCATION

MCA Sikkim Manipal University

PGDCA Diploma Kurukshetra University

.Net Certification NIIT

O` Level from DOEACC

B. Com(P) Delhi University

Intermediate CBSE, New Delhi

EXPERIENCE

NTT DATA – Data Engineering (GCP)

Client: CommonSpirit (USA)

Domain: Health Care | Apr-2023 – Present

Key Responsibilities:

- Designed, developed, and deployed scalable data pipelines using Apache Airflow, and GCP's Dataflow for ETL processes.
- Wrote efficient SQL queries to extract, transform, and load data from various sources, including relational databases (e.g., SQL Server, Oracle, and cloud storage (e.g., bucket files) into GCP Big Query.
- Developed and managed DAGs (Directed Acyclic Graphs) using Airflow to orchestrate data workflows, ensuring

timely and reliable data processing.

- Created a webapp on python to take the new requirement of any source tables to create a ETL process and load data into GCP Big query using DAG and schedule it on Apache Airflow.

NTT DATA – Data Engineering (MSBI)

Client: Dignity Health (USA)

Domain: Health Care | Feb 2019 – Mar 2023

Key Responsibilities:

- Developed and maintained complex data workflows, including data extraction, data transformation, and data loading, using SSIS packages.
- Collaborated with cross-functional teams, including data analysts, data scientists, and business stakeholders, to understand data requirements and deliver data solutions.
- Implemented data governance and security best practices, ensuring compliance with HIPAA and other healthcare regulations.
- Troubleshooted and optimized SSIS packages for improved performance, scalability, and reliability.

SCHOLAR-TUBE – Sr. Software Engineer (.Net/SQL)

Client: Internal Project

Domain: Education | Jul 2014 – Jan 2019

School Management System:

- Collaborate with business analysts and stakeholders to gather and understand project.
- Analyze technical feasibility and recommend solutions for efficient implementation.
- Assign tasks to the team and monitoring their code quality to ensure adherence to best practices and standards.
- Deploy applications on IIS environments.

Inventory System:

- Design and optimize relational databases using SQL Server.
- Develop complex stored procedures, triggers, views, and queries to support application functionality.
- Create and modify reports using RDLC, SSRS.

Marvel Group (Motherspride): Software Engineer (.Net/SQL)

Client: Internal Project

Domain: Education | Feb 2010 – Jun 2014

Human Resource Information System:

- Write clean, scalable, and optimized code following best practices and coding standards.
- Identify, debug, and resolve issues in applications, ensuring **optimal performance and stability**
- Monitor, maintain, and update applications to meet security and performance standards.
- Create and modify reports using RDLC, SSRS & Crystal Report.