

# Aniruddha Misal

## Data Engineer

Contact: 9503712226

Email: anirudhamisal236@gmail.com

### Total Experience

5 Years as a Data Engineer/

3 Years as an IT Infrastructure Project Management & Procurement (SEZ/Non-SEZ)

### Qualification

B.E

(Computer Science and Engineering)

### Work history

InfoCepts Technologies Pvt.Ltd

(Jan 2020 - Present)-  
(Data Engineer)

(Nov 2016- Dec 2019)-  
(IT Infrastructure Project Management & Procurement)

### Key Skills

- ETL/ELT Developer and Data Governance
- Project Management

### Technologies

- Snowflake
- DBT
- AWS (S3, EC2, EMR, Developer Tools, IAM, Athena, Airflow DAG)
- Azure (Databricks, Azure Data Factory, ADLS)
- Informatica PowerCenter, IICS, Informatica IDQ, Collibra

## Experience Summary

- As a highly skilled and results-driven Data Engineer with 5 years of experience, I have honed my expertise in designing, building, and optimizing data pipelines and architectures to ensure efficient data flow and accessibility. I specialize in working with large datasets, implementing ETL/ELT processes, and leveraging cutting-edge tools and technologies such as SQL, Python, Spark, DBT and cloud platforms like Snowflake, AWS and Azure. Throughout my career, I have collaborated closely with cross-functional teams to transform raw data into actionable insights that drive business decisions. My commitment to continuous learning and passion for solving complex data challenges have allowed me to contribute to impactful projects, ensuring data quality, scalability, and performance across all stages of the data lifecycle.
- Establish and maintain a technical environment for data analysis, such as databases and data warehouses in cloud environment.
- Setting up production CI/CD pipelines and workflows using AWS Developer tools (CodeCommit, CodeBuild, CodeDeploy, CodePipeline)
- Data Migration from legacy data warehouses (Teradata, MS SQL Server, Oracle) to modern cloud warehouses/lakes (Snowflake, AWS, Azure).
- Experienced with Collibra Governance features - Data Catalogue, Data Lineage, Data Governance, Data Quality, and Security.
- Implemented end to end technical lineage from HRMS/CRM systems to Power BI Analytics portal along with Informatica ETL and Snowflake ELT transformations.
- Experienced in creation of operating and meta models, and integration of enterprise data assets with data catalog, stitching of sources, establishing data lineage, metadata enrichment to enable data discovery, provenance, and governance.
- Experience of working with projects driven by Agile Methodology.

### Accomplishments

- Understood all the Upstream and Downstream from Legacy sources and implemented end to end ETL/ELT pipeline execution on various Cloud Modernized Modules.
- Successfully developed stored procedures, views and functions to migrate data from legacy sources systems into Snowflake (Lift and shift project).
- Initiated and set up a DBT project from scratch, including configuring database connections, defining data sources, and establishing project structure.
- Developed and deployed multiple DBT models for transforming raw data into actionable insights, improving reporting efficiency by 30%.
- Designed and implemented data transformation workflows using DBT models to aggregate and clean large datasets from multiple sources.
- Automated DBT runs using Airflow/DBT Cloud, streamlining daily data refreshes and ensuring timely delivery of transformed data for business teams.
- Creation of operating and meta models, and integration of enterprise data assets with data catalog, stitching of sources, establishing data lineage,

- MS-SQL, Teradata, Oracle
- CRM- Salesforce

metadata enrichment to enable data discovery, provenance, and governance.

## Skills

<b>Functional Skills</b>	Exposure in Multinational mass media and entertainment conglomerate (US), Pharma, Specialty ingredients and chemicals (UK) etc. domains
<b>Tools</b>	Data Engineering – Azure Databricks, Visual Studio, VS Code, IntelliJ Idea, Informatica PC, Collibra, Eclipse, Jupyter Notebook, DBT
<b>Warehouse &amp; CRM</b>	MS SQL, Teradata, Oracle, Salesforce, Snowflake
<b>Programming Languages</b>	C, C++, SQL, Java, Spark Scala, Python
<b>Other</b>	<p><b>Microsoft</b>-Azure Data Factory, Databricks and Delta Lake</p> <p><b>AWS</b>- S3, Athena, EMR, EC2, WorkSpace, Developer Tools, IAM, SNS, Amazon MWAA , AWS Glue + DBT, pySpark, Python shell and SQL, IDQ, Collibra DQ, DBT</p>

## Experience

### Role

Sr. Data Engineer

### Experience

1+ Year

### Tool and technologies

- Oracle
- Snowflake
- DBT
- SharePoint
- Bitbucket

### Project Objectives

"Migration of Oracle data warehouse to Snowflake"

### Roles and Responsibilities

- Developed an end-to-end data pipeline using Snowflake as the cloud data warehouse and DBT (Data Build Tool) for data transformation. The project aimed to optimize the ETL process, improve data quality, and ensure seamless integration of data from multiple sources for efficient reporting and analytics.
- Developed ETL pipelines using DBT to automate data transformation from raw sources into structured data models within Snowflake.
- Leveraged DBT's macros, hooks, and models to implement reusable data transformation logic, ensuring clean and consistent datasets.
- Built data models in DBT to create business-centric views and tables, making data easier to understand for analysts and downstream systems.
- Implemented data quality checks in DBT, ensuring that data met defined quality standards before being pushed to the warehouse.

---

## **Role**

Data Engineer

## **Experience**

6 months

## **Tool and technologies**

- MS-SQL Server
- Snowflake
- AWS Developer Tool for CI/CD

## **Project Objectives**

**"Migration of MS SQL data warehouse to Snowflake"**

### **Roles and Responsibilities**

- Leading team of data engineers to modernize from legacy SQL server to Snowflake.
- Analysis of Legacy system along with documentation, scope finalization and estimation
- Worked on converting SQL stored procedures, Function, Views to Snowflake.
- Worked on performance optimization.
- Helped QA team and resolved issues faced while QA testing.
- Analyzed the existing SQL server scheduling scripts and scheduled all converted SP using Snowflake native Tasks.
- Setting up CI/CD pipelines and workflows using AWS CI/CD
- Create AWS IAM Roles.
- implement AWS SNS (Simple Notification Service ) for notifications in CodeCommit, CodeBuild
- Monitoring Logs using CloudWatch
- Following agile base approach for development and delivery.

---

## **Role**

Data Engineer

## **Experience**

1+ years

## **Tool and technologies**

- Snowflake
- MS-SQL Server
- Teradata
- Salesforce
- AWS
- Informatica PC
- Control M Jobs
- GitHub

## **Project Objectives**

**"Migration of on-premises Teradata data warehouse to Snowflake"**

### **Roles and Responsibilities**

- Design and developed Snowflake data pipeline as a modernized approach.
- Conversion of data pipelines from existing Informatica into snowflake into snowflake.
- End to end migration from Teradata, Informatica to Snowflake
- Orchestration of modernized data pipelines using AWS Airflow DAG
- Pushing and pulling data into salesforce using Bulk API 2.0 with JWT authentication
- Initiate and support QA and UT testing.
- Facilitated non-prod and Prod migration.
- Following agile base approach for development and delivery.

<p><b><u>Role</u></b></p> <p>Data Engineer</p> <p><b><u>Experience</u></b></p> <p>6 Months</p> <p><b><u>Tool and technologies</u></b></p> <ul style="list-style-type: none"> <li>▪ Teradata</li> <li>▪ Informatica</li> <li>▪ AWS-EMR, S3, Athena, EC2, Airflow DAG, Spark Scala</li> </ul>	<p><b>Project Objectives</b></p> <p><b>"Migration of on-premises Teradata data warehouse to Snowflake"</b></p> <p><b>Roles and Responsibilities</b></p> <ul style="list-style-type: none"> <li>▪ Converted on-prem jobs to AWS cloud and get the data processed.</li> <li>▪ On-Prem Tech Stack - Teradata, Informatica</li> <li>▪ AWS Tech Stack -Spark, Scala, EMR, S3, Athena, EC2</li> <li>▪ Co-ordination with the SPOC of Airflow DAG team for resolving any Job issue.</li> <li>▪ Optimized the jobs by using the partition on tables for better job performance.</li> <li>▪ Completed all mapping using Spark SQL (Scala)</li> </ul>
<p><b><u>Role</u></b></p> <p>Data Engineer</p> <p><b><u>Experience</u></b></p> <p>1+ years</p> <p><b><u>Tool and technologies</u></b></p> <ul style="list-style-type: none"> <li>▪ Power BI, Tableau Admin</li> <li>▪ Control M Jobs</li> <li>▪ Informatica workflow</li> <li>▪ Jira Tool</li> <li>▪ Oracle Server</li> </ul>	<p><b>Project Objectives</b></p> <p><b>"Monitoring and control EDW Jobs"</b></p> <p><b>Roles and Responsibilities</b></p> <ul style="list-style-type: none"> <li>▪ Creating and maintaining Tableau reports required for Operational data reporting of System Health</li> <li>▪ Monitoring and maintaining all data load jobs (Control-M &amp; Informatica)</li> <li>▪ Coordinating with different stakeholders of platforms and cloud for handling their queries</li> <li>▪ Implementation of any new enhancement or change as per Jira Ticket</li> <li>▪ Capturing and maintaining all Incident record</li> </ul>
<p><b><u>Role</u></b></p> <p>Sr. Engineer</p> <p><b><u>Experience</u></b></p> <p>1+ years</p> <p><b><u>Tool and technologies</u></b></p> <ul style="list-style-type: none"> <li>▪ Collibra DQ</li> <li>▪ Collibra Workflow Designer</li> <li>▪ Collibra Marketplace</li> <li>▪ Collibra DGC</li> <li>▪ Eclipse</li> </ul>	<p><b>"DTO-DG"</b></p> <p><b>Roles and Responsibilities</b></p> <ul style="list-style-type: none"> <li>▪ Participated in setting up of the data governance operating model, governance roles, and related processes for effective lifecycle management and business consumption.</li> <li>▪ Defined the Operating model with domains, assets, and relationships.</li> <li>▪ Collaborated with users to identify Critical Data Elements and setup metamodel, end to end technical and business lineage for such critical assets.</li> <li>▪ Connecting, Ingesting, and Cataloging different sources with Collibra such as Oracle, Informatica, Power BI, and POCs with Snowflake, Salesforce, custom scripting (ELT) as well.</li> <li>▪ Using Lineage Harvester and other integrations to ingest platform sources like Power BI, Informatica, and Salesforce tools into Collibra.</li> <li>▪ Developed Collibra workflows using Eclipse and Collibra APIs to develop workflow design and code development using JAVA.</li> </ul>

- Used Rest APIs to develop custom integrations including designing the JSON format for data movement between Collibra and enterprise applications during integration.
- Enabled broader IT adoption by developing dashboards for different Collibra personas like Owners, Stewards, Custodians etc.
- Used Collibra Data Quality for creating DQ Jobs, Alerts, and DQ Reports
- Performed Collibra migration across the environments using Collibra Migration Utility
- Used Collibra's import/export feature for metadata transfer.
- Set up roles, responsibilities, and controls for effective security.
- Used the Collibra Data Quality Tool for creating and scheduling, create Alerts, Reports etc.
- Added Business Glossary and enriched with business lineage for data product consumers (business users)
- Created a comprehensive documentation for Collibra workflows

## **Role**

IT Interior Infrastructure,  
Compliance & Admin

**"Successfully managed and oversaw the design and implementation of office interior setups spanning over 2 lakh sq. ft. across both SEZ and Non-SEZ areas, ensuring compliance with local regulations, optimal space utilization, and seamless integration of IT infrastructure."**

## **Experience**

3 Year

## **Tool and technologies**

- MPP
- ERP
- Excel

## **Roles and Responsibilities**

- Lead the process of appointing and managing the selection of designers, Project Management Consultants (PMCs), and contractors for the project.
- Collaborate with senior leadership and project teams to issue RFPs (Request for Proposals) for design and construction services.
- Evaluate proposals based on project scope, budget, timeline, and technical expertise.
- Select and onboard designers, PMCs, and contractors that align with the company's vision and operational requirements.
- Monitor the progress of project design and infrastructure implementation, ensuring adherence to the approved requirements.
- Coordinate and communicate project milestones between stakeholders, vendors, and contractors to ensure timely execution.
- Oversee the layout planning and implementation of IT assets during new office setup or renovation.
- Ensure compliance with IT policies, cybersecurity guidelines, and statutory regulatory requirements (ISO, GDPR, etc.).
- Coordinate with legal, HR, and other departments to ensure data privacy and risk mitigation policies are followed.
- Manage procurement, inventory, and AMC (Annual Maintenance Contracts) for IT assets and office supplies.
- Maintain up-to-date documentation of floor plans, IT layouts, and equipment registers.