

Tejas Aher

Data Engineer

Overall Experience: 7 Years 6 Months

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Profile Summary

Experienced Data Engineer with 7 years of expertise in developing end-to-end data pipelines and creating and maintaining cloud-based data solutions. Demonstrates a strong track record of improving data workflows and contributing to cost-efficient data management solutions. Adept at leveraging modern data engineering tools and techniques to drive efficiency and innovation.

Skills

Technical Skills:

- **ELT Tools:** Meltano (Extractor), Data Build Tool (DBT) (Data Transformation), Dagster (Orchestrator like Apache Airflow)
- **Scripting Languages:** Python3, SQL, PL-SQL, Jinja 2, JavaScript (basic), Shell Scripting
- **Data Warehouses:** Snowflake, Redshift
- **Relational Databases:** Oracle 19c, MySQL (Amazon RDS), PostgreSQL
- **Python Libraries:** Pandas, Polars, NumPy, DuckDB, SQLAlchemy, Psycopg2, cx_oracle, requests, pip-x, dagster, meltano, dbt-Core, Subprocess, Paramiko, Pytest, Pytest-mock, Celery, Fluentd, Chalice, flask, s3fs, boto3, asyncio, stream-lit, Psycopg2 etc
- **BI & IDE Tools:** VS Code, PyCharm, Jupyter Notebook, Postman, WinSCP, Sublime Text, Jira, Confluence, New Relic, Notepad++, Splunk, Kibana, Metabase, Grafana, SnowSQL, AWS CLI, Dbeaver,
- **File Formats:** JSON, CSV, Parquet, XML
- **AWS Services:** Lambda, S3, EC2, AWS EKS, Amazon RDS, SNS, IAM Roles, AWS SES (Simple Email Service), API Gateway
- **Operating Systems:** Linux/Unix, Windows, OS X (Mac OS)
- **CI/CD:** Docker, Kubernetes, Jenkins, Helm, Redis
- **REST API:** FastAPI framework, Django
- **Project Management:** Agile/Scrum

Professional Experience

LTIMindtree

(Designation - Specialist Data Engineering)

30 May 2024 - Present, Pune

Working on a migration project where working on migrating the data from existing data from Oracle data warehouse to Snowflake. Doing data transformations using the DBT tool and For data ingestion we are using a tool called HVR. Utilizing the built in snowflake features such as snowpipe, streams, tasks, tags, time-travel. Created a bunch of UDF's.

Persistent Systems LTD

(Designation - Engineering Lead)

13 July 2021 - 27 May 2024, Pune

Designed and implemented comprehensive data workflows for healthcare clients, leveraging extensive knowledge of AWS cloud services.

Utilized knowledge of Slowly Changing Dimensions (SCD), Change Data Capture (CDC), and core data warehousing principles to develop cost-effective, secure systems for the collection, storage, and distribution of data for SaaS applications.

Created and orchestrated data pipelines using Dagster, achieving cost minimization and maximizing benefits compared to other open-source orchestrators.

Collaborated with architects to define robust data models in Snowflake, utilizing services such as stages, Snowpipe, streams, tasks, and UDFs, as well as features like time-travel, clones, masking, and tags. Worked with both structured and semi-structured data.

Employed DBT Core to execute complex data transformations efficiently and reliably.

Deployed and maintained various applications on Amazon EKS, demonstrating a strong understanding of microservices architecture and service integration.

Developed Snowflake integration by creating serverless data lake APIs, enabling transformed data delivery to end consumers, including frontend and BI applications.

Utilized DuckDB to offload complex OLAP queries from Snowflake, optimizing transformation performance.

Created NewRelic integration with multiple services to gain insights into application logs, enhancing monitoring capabilities. Developed Slack integration to provide real-time alerts on production pipeline failures

Documented processes and designs on Confluence for future reference and provided guidance to junior team members.

Actively participated in Agile/Scrum ceremonies, taking ownership of tasks and ensuring their timely completion.

Conducted thorough code reviews, including pair programming sessions, to maintain high code quality and adherence to best practices.

Contributed to the successful launch of new projects, developing applications from scratch and collaborating closely with team members throughout the development process.

Accenture Solutions PVT LTD

(Designation - Application Development Senior Analyst)

28 Nov 2016 - 12 July 2021, Pune

Developed and deployed Python scripts to automate and resolve integration issues within the telecom infrastructure.

Created an automated deployment flow using Jenkins and GitHub, streamlining job deployment processes.

Automated various manual tasks, significantly reducing the time and effort required for routine operations, saving the team an estimated 20 hours per week.

Employed Python libraries and tools to create efficient, reusable scripts for data extraction, transformation, and loading (ETL) processes.

Successfully developed a Django application that streamlined the order creation process for the L2 team, resulting in a 30% increase in order processing efficiency.

Resolved critical integration issues, leading to a 15% reduction in system downtime.

Created numerous dashboards and reports for Telecom customer churn analysis, effectively managing a high volume of data.

Education

Savitribai Phule Pune University/ Bachelor of Engineering (Electronics and Telecommunication)

July 2012 - May 2016, Pune

Percentage: 60.83

KTHM College Nashik/ HSC (12th)

June 2011 - March 2012, Nashik

Percentage: 75.5

K. K. Wagh Vidyabhavan Bhausaheb Nagar/ SSC (10th)

March 2010, Nashik

Percentage: 95.27

Awards & Recognition

1. Apex award - Accenture Solutions private ltd
2. R&R Reward - Individual contributor - Persistent Systems
3. Top Talent - 2024 - Persistent Systems

Certifications

1. AWS Certified Solutions Architect - Associate
2. DBT Fundamentals
3. Snowflake Hands On essential and Data sharing
4. GenAI Practitioner 2023

Hobbies

- Photography, Video Editing , Trekking, Sketching