
Swapnil Bhakare

DATA ENGINEER

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PROFESSIONAL SUMMARY

Data Engineer with 3.5+ years of experience across **Data Engineering and Technical Support**. Skilled in ETL, SQL, Python, PySpark, and AWS services (Glue, Redshift, Lambda, EMR, Airflow). Experienced in building **scalable data pipelines, workflow automation platforms, and interactive dashboards**, with a strong track record of **ensuring system reliability and SLA compliance**. Collaborative professional adept at delivering end-to-end solutions from **data ingestion and transformation to BI visualization**.

SKILLS

Data Engineering: Python, SQL, PySpark, ETL, AWS Glue, AWS Redshift, AWS Lambda, Data Warehousing, Airflow

Big Data & Frameworks: HDFS, Apache Spark (Spark-Core, DataFrames, Spark SQL, PySpark), Hadoop

AWS Services: S3, Glue, Lambda, DMS, EC2, EMR, Redshift

Technical Support: Incident Management (L1/L2 Support), Windows & Linux Server Administration, Microsoft Entra ID (Azure AD), Active Directory, User Provisioning & Access Control, Networking (Basic Troubleshooting), Ticketing Tools & SLA Management, System Health Checks, Documentation & Knowledge Base Creation

Good Knowledge of: Data Structures, Algorithms, DBMS, Operating System Concepts

EXPERIENCE

BI Hub Solution, WFH - Data Engineer (Official Title: Full Stack Developer)

Jan 2024 - Present

Data Engineering Expertise:

- Designed and implemented **ETL pipelines** using **PySpark & AWS Glue** to support the **GenFlow workflow automation platform**.
- Migrated and transformed data into **AWS Redshift** for reporting and analytics.

Implementation & Optimization:

- Automated pipeline scheduling with **Apache Airflow, AWS Lambda & Python scripts**.
- Integrated **S3 → Glue → Redshift** workflows, improving pipeline efficiency by **20%**.

Data Validation & Quality:

- Built validation scripts in SQL & PySpark to ensure accurate pipeline execution.
- Implemented monitoring & logging to maintain **data quality in production**.

Cross-Functional Collaboration:

- Worked with BI teams to deliver **real-time dashboards** powered by GenFlow pipelines.
- Partnered with frontend teams to integrate processed data into **interactive dashboards**.

Tata Consultancy Services (TCS), Pune- Programmer

Jan 2022 - Dec 2023

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- Delivered **L1/L2 technical support** via TCS's internal ticketing tool, ensuring SLA compliance and timely resolution of incidents.
 - Diagnosed and resolved issues across **Windows/Linux servers, networking, and application performance**.
 - Managed **Microsoft Entra ID (Azure AD)** and **Active Directory** tasks, including user provisioning, password resets, and access control.
 - Conducted regular **system health checks**, documented troubleshooting steps, and authored knowledge base articles to reduce recurring issues.
 - Collaborated with L3 teams to escalate and resolve critical incidents, improving system uptime and support efficiency.

Digiyoda, WFH- *Data Annotation Specialist*

Sep 2021 - Nov 2021

- Labeled & validated large datasets (98% accuracy) for NLP and image-based ML models.

PROJECTS

GenFlow – Workflow Automation & ETL Orchestration (*BI Hub Solution, 2024*)

- Built a **workflow automation platform** that orchestrates ETL pipelines with drag-and-drop design.
- Developed **PySpark Glue jobs** for transformations and loading into **AWS Redshift**.
- Orchestrated pipelines with **Apache Airflow**, integrated workflows with **S3, Redshift, and Lambda**.
- Implemented **real-time scheduling, conditional workflows, and monitoring** for reliability.
- Enhanced **data validation** using SQL and PySpark, improving dataset accuracy.

EDUCATION

Dr. Babasaheb Ambedkar Marathwada University- *B.C.A*

June 2017 - April 2020

AWARDS & RECOGNITION

Xcelerate Victor Award – *TCS, 2023*

Recognized for ownership and high-impact delivery.

Xcelerate Warrior Award – *TCS, 2022*

Honored for continuous learning and technical advancement.

LANGUAGES

English (Professional) | Hindi (Native) | Marathi (Native)