

Pushkar Shirish Dandekar

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Data Analytics Engineer with 3+ years of experience building scalable cloud based Data pipelines, optimizing analytics workflows, and delivering actionable insights using Python, SQL, Snowflake, DBT, AWS and BI tools

EXPERIENCE

Data Engineer, KGS Technologies | Atlanta (remote), GA, USA

Feb 2025 – Present

- Created robust staging and mart layers with dbt to ensure traceability from source systems to reconciled outputs; implemented data quality rules within the MDM hub, proactively resolving data anomalies
- Spearheaded optimization of Snowflake usage and cost management through better transformation design

Data Engineer, Match4Action Crowd Doing | Boston, MA, USA

Jan 2024 – Jan 2025

- Built an AWS S3-based data lake for integrating 20GB+ of streaming and batch data; created ELT pipelines to ingest JSON, flat files, and API data
- Tuned Snowflake queries using clustering keys, caching strategies, and materialized views, improving pipeline performance by 35%. Developed unit-tested DBT transformations to ensure accuracy and model reliability across iterations.
- Implemented Airflow DAGs for scheduling, orchestration, and recovery workflows; containerized pipeline using Astro CLI

Data Engineer, McKinsey & Company | Boston, MA, USA

Jan 2023 - Aug 2023

- Architected self-serve analytical dashboards using dbt, Python and Snowflake, synthesizing data from 10+ sources to deliver actionable insights on trade trends and anomalies
- Automated dbt model documentation and testing framework across 200+ data models, reducing data discovery time by 40% and enabling self-service analytics for cross-functional teams
- Transitioned existing Alteryx workflows to KNIME to reduce licensing costs and improve scalability, ensuring seamless data processing without disrupting business operations
- Developed complex SQL-driven analytics to rank product performance across markets, influencing strategy decisions and contributing to a 20% increase in successful product launches

Graduate Teaching Assistant, Northeastern University | Boston, MA, USA

May 2022 - Dec 2023

- Developed and graded 15+ assessments on data engineering best practices, Python, and analytics workflows
- Mentored students on Python-based ETL pipelines, unit testing, data modeling approaches and ACID properties

Data Engineer, JioPlatforms Pvt. Ltd – Reliance Industries | Mumbai, India

Aug 2018 - Aug 2021

- Built and maintained scalable data reconciliation pipelines in Python and SQL, comparing transactional data across systems (Snowflake, ERP, and API ingestions) to ensure 99.9% accuracy for customer analytics reporting
- Presented analytical findings to senior stakeholders to inform product optimization and customer experience strategies
- Built modular ETL pipelines on AWS using Glue and Lambda into S3 to ingest data from third-party APIs, internal systems
- Modernized financial reporting by migrating Tableau extracts to Amazon EMR with SparkSQL, reducing refresh time from 4 hours to 5 minutes, saving \$75K annually, and enabling near real-time business insights
- Collaborated with DevOps team for Docker Container management by setting up computerized build on Docker HUB
- Performed POC for Docker and Kubernetes to gain high scalability of resources to reduce need for physical servers

EDUCATION

Northeastern University | Master of Science, Information Systems | Boston, USA

Sep2021 - Dec 2023

University of Mumbai | Bachelor of Engineering, Information Technology | Mumbai, India

Jul 2014 - Jun 2018

TECHNICAL SKILLS

Languages:	SQL (SparkSQL/HiveQL/PL-SQL), Python (scripting/automation), Java, Shell scripting
Databases/Big Data:	Snowflake, Redshift (AWS), MongoDB (NoSQL), Hive, Hadoop, Cassandra, SAP Cloud, SAP HANA
ETL/BI Tools:	Airflow DAGs, Talend, Alteryx, Tableau, Power BI, Hadoop, Hive, Spark/PySpark, DBT
Cloud Technologies:	AWS (S3/Redshift/Glue/EMR/IAM roles), GCP (BigQuery/GCS), Azure (Data Factory, CosmosDB)
Certifications:	AWS Cloud Practitioner, Snowflake – SnowPro Core Certification*