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Jitesh Patil

Data Engineer

Portfolio: [Jiteshpatil.com](https://jiteshpatil.com)
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Data Engineer with 2+ years of experience in designing scalable ETL pipelines and cloud-native data solutions in the financial domain. Proven ability to manage end-to-end data workflows across equities, derivatives, and trade data, supporting real-time analytics and strategic decision-making. Skilled in AWS and Azure ecosystems with successful cloud migration projects and Systematized data reporting. Collaborative contributor to AI/ML teams, with a focus on high data quality and performance.

SKILLS

Data Engineering and ETL	Apache Airflow, Apache Spark, Kafka, ETL Pipelines, Data Lake Architecture, Real-time Data Processing, Data Warehousing, Data Modeling.
Cloud Platforms	AWS (EC2, S3, Lambda, Glue, Athena, Glue Data Catalog), Microsoft Azure, Cloud Migrations, Infrastructure Automation.
Databases and Storage	MySQL, Amazon S3, MongoDB, Elasticsearch, Apache Hive.
Programming	Python, SQL, REST APIs, FastAPI, Flask, Shell Scripting.
BI and Reporting	Power BI, Tableau, Dashboard Development, KPI Tracking.
DevOps	Docker, Git, GitHub, CI/CD Pipelines, Monitoring and Alerting.

TECHNICAL EXPERIENCE

Data Engineer <i>AlphaPlus Capital Services LLP</i>	July 2023 — Present <i>Mumbai</i>
<ul style="list-style-type: none">• Designed and developed ETL pipelines processing over 20gb+ of diverse market data including equities, options, futures, and commodities, ensuring smooth data integration into data warehouses, improving processing efficiency by 30%.• Built data ingestion pipelines for fundamental and transactional data, maintaining 95% uptime and seamless integration with downstream systems.• Automated trade data extraction, transformation, and loading (ETL) workflows, calculating key metrics, storing results in MySQL, and integrating with Power BI for management reporting, reducing processing time by 40%.• Created 10+ interactive Power BI dashboards for data visualization, enabling data-driven decisions on portfolio performance and risk management, which improved decision-making speed and led to a 15% increase in strategic portfolio adjustments.• Engineered and deployed cloud-based solutions using AWS (EC2, S3, Lambda, Glue, Athena) to support batch and real-time data processing, reducing processing times by 50%.• Led cloud migration projects transitioning from on-premise infrastructure to AWS and Azure, reducing infrastructure costs by 35% and enhancing scalability.• Constructed Athena and Glue catalogs for data stored on S3, improving data discoverability and query performance by 25%, and reducing manual data management time by 40%, streamlining data processing workflows.• Collaborated with Data Science and AI/ML teams to provide structured, clean datasets and support model deployment for predictive analytics and machine learning use cases, enhancing forecasting accuracy by 15%.• Orchestrated 20+ data workflows daily using Apache Airflow, improving pipeline efficiency by 30% and reducing manual intervention.	
Data Operations Analyst <i>Accenture Solution Pvt Ltd</i>	Nov 2020 — July 2022 <i>Mumbai</i>
<ul style="list-style-type: none">• Built and Streamlined data validation frameworks, reducing data errors by 25% and ensuring high-quality, consistent data for analytics.• Designed and optimized ETL workflows for processing 20 lakh+ daily records of user-generated content, ensuring seamless transformation and data integration.• Implemented Integrated data monitoring for real-time anomaly detection, reducing data inconsistencies by 30% and enhancing data integrity, which led to fewer errors in financial reporting and a 40% increase in overall data quality.• Optimized existing data pipelines, reducing processing time by 40% and improving resource utilization and system performance.	

EDUCATION

PG Diploma in Data Science , <i>IT Vedant PVT LTD</i>	2022 — 2023
Bachelor of Science , <i>University of Mumbai</i>	2016 — 2019
<i>Python for Data Science</i> , <i>IBM</i>	2023 — 2024
<i>Data Science - Virtual experience Program</i> , <i>BCG</i>	2023 — 2024

ACTIVITIES

Attended Data and AI Summit, gaining insights on AI technologies and their integration with data engineering solutions. Participated in Google Cloud + AI Workshop, gaining practical experience in cloud-based AI solutions for data pipelines and machine learning integration.