

Nikhil Rajas

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EXPERIENCE

AWS Data Engineer

Cognizant (*Client: Toyota Motors North America*)

Pune

Jan 2025 – Aug 2025

- Automation and Data Pipelines: Automated system analysis and reporting workflows using scripting and orchestration tool (Airflow), improving data pipeline efficiency and reducing manual intervention by 20%.
- Cloud-Based Analysis: Leveraged Databricks delta lake to analyze large datasets for data patterns and trends, showcasing expertise in managing cloud platforms and ensuring data accuracy for 27 applications.
- Data Governance: Designed and implemented processes to identify and remediate data inconsistencies, contributing to robust data governance and compliance practices.
- Secure Data Management: Strengthened knowledge in secure data handling and storage practices, aligning with compliance standards for sensitive information in cloud and on-premise environments.

(*Client: Merck Pharmaceuticals*)

Jul 2022 – Dec 2024

- Cloud Migration and Data Archival: Designed and implemented scalable data archival solutions using AWS (S3, Glue, Redshift, Batch) and big data technologies (Spark, Python, SQL) to securely migrate sensitive on-premises data to the cloud, processing over 1TB+ of data per application and ensuring compliance with GxP standards.
- Application Retirement: Streamlined and automated the retirement of 74 end-of-life applications using Airflow DAGs for automated data workflow, including hardware and software decommissioning, by coordinating approvals, updating CMDB dependencies in ServiceNow, and documenting processes in JIRA.
- Cost Optimization and Efficiency: Reduced technical debt by 43% and cut application retirement turnaround time by 50%, achieving significant operational cost savings and improved efficiency.
- Governance and Reporting: Applied legal hold and retention policies to ensure robust data governance. Automated archival processes and developed reports to meet compliance and operational requirements for infrequent data access.
- Administration and Troubleshooting: Managed IAM activities such as Role-Based Access Control (RBAC), system troubleshooting, monitoring using AWS CloudWatch, and promotion of validated archived data to higher production environments with 100% accuracy.
- Agile Methodology: Followed Agile practices to enable iterative development, ensure continuous improvement, and track progress effectively throughout the project lifecycle.

TECHNICAL SKILLS

Programming & Querying: SQL, Python, HiveQL

Cloud Platforms & Tools: AWS (S3, Glue, Athena, Redshift, CloudWatch, Batch, IAM), Microsoft Azure

Data Engineering & Big Data: Solix CDP, Apache Spark, Airflow, Data Pipelines, Data Archival

Developer Tools: Git, Anaconda, Jupyter Notebook, VS Code, ServiceNow, JIRA

Databases & Storage: Oracle, MySQL, MsSQL, Data Warehousing, Data Migration

Data Governance & Security: GxP Compliance, Legal Holds, Retention Policies, RBAC

BI & Reporting: Power BI, Matplotlib, Seaborn

CERTIFICATIONS

AWS: AWS Certified Cloud Practitioner (CLF-C02), AWS Certified Data Engineer - Associate (DEA-C01), AWS Certified Solutions Architect - Professional (SAP-C02)

Microsoft Azure: Azure Data Engineer Associate (DP-203), Azure Fundamentals (AZ-900)

ACHIEVEMENTS

Won multiple organization-level awards, including Emerging Talent, “Always striving, never settling,” “Doing the right thing, the right way,” and Blue Bolt Hackathon Winner.

EDUCATION

Prof. Ram Meghe Institute of Technology & Research

Bachelor of Engineering

Amravati, Maharashtra

Aug 2019 – Jul 2022

CGPA: 9.56