KISHAN REKHADIA

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PROFILE

AWS Certified Data Engineer with over 3 years of total experience and 2+ years of hands-on experience in Data Engineering and AWS stack (DMS, Redshift, EC2, Airflow, S3, Glue, IAM, Lambda, CloudWatch, SNS, Kinesis). Skilled in designing, developing, and deploying complex ETL workflows using various technologies. Strong problem-solving skills and ability to work collaboratively with cross-functional teams. Ability to meet deadlines, handle multiple tasks and deliver high-end applications.

CORE COMPETENCIES

Programming Languages	Python, PySpark, SQL, Shell Script, C++
AWS Stack	Redshift, DMS, Airflow, Lambda, Glue, Athena, Kinesis, S3, IAM, EC2, SNS, Cloudwatch, QuickSight
Database	MySQL, Data warehousing, Data Modeling, PostgreSQL, Aurora
Tools	DBT, ETL, Git, Github, Visual Studio code, AWS Console, MS Excel, Putty, DBeaver,

EXPERIENCE

Data Engineer - Consultant — Oct 2023 - Present
Deloitte — *Pune, India*

- Team member of Risk and Finance data transformation team which provides data modernization to a large UK Financial Bank.
- Worked on client's existing data architecture analysis and find pain points by analyzing data points across the whole data landscape in a multi cloud enviornment.
- Provided data modelling service to scale up the new data mart for evaluating disclosure reports.
- Worked on defining best recommendation for 3rd party tools in market for seamless ETL transformation and data integration across business processes by combining business requirements with IT technical stands.
- POC for seamless integration of AWS data mart with oracle world for mapping of attributes from one cloud to another.

Data Engineer — June 2021 - Sep 2023
Infosys Ltd. — *Pune, India*

- Provided data modernization services to a large US financial company to tailor migration to the cloud and adopt a hybrid cloud environment.
- Team member of the Reporting Datalake Platform and Analytics Team (RKPA) that handles the migrations of clients' old data sources into the cloud and creates a new dedicated data lake and data warehousing solution with ETL pipelines.
- Major contribution in the back-end development of multiple Python applications running on the fleet of AWS Cloud infrastructure.
- Designed and developed ETL pipelines using Python and Managed Apache Airflow for ingesting data from various sources into a centralized data lake.
- Developed end-to-end batch process Airflow DAG to create the required data processing flow.
- Active participation in handling the deployment and development activities of the first production release of the project.
- Expedited the enhancement process of improving the production performance of applications using multi-threading by a huge margin.
- Implemented AWS QuickSight same-account and cross-account object migration with custom Python scripts.

CERTIFICATIONS AND ACHIEVEMENTS

- AWS Certified Solutions Architect - Professional
- AWS Certified SysOps Administrator – Associate
- AWS Certified Developer – Associate
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Data Fundamentals

PROJECTS

Seamless Data Migration to Redshift Data Lake from Multiple Sources

- Crafted a cloud-specific data migration solution utilizing AWS DMS and customized ETL tools. Devised automation scripts with Python and the boto3 module to efficiently migrate data from multiple sources to the AWS Redshift data lake while implementing rigorous data quality checks.
- Implemented job orchestration with MWAA Airflow and integrated AWS SNS to establish an alert mechanism for streamlined end-to-end job management.

AWS QuickSight Object Migration.

- Developed a highly efficient automated solution from the ground up, utilizing Python and the AWS APIs with the boto3 module to automate the migration of QuickSight Objects between same and cross-accounts.
- By streamlining the migration of QuickSight objects to diverse environments for agile methodologies and multiple use cases across various accounts, this module facilitated automated migration.

Meta-data Comparison Project.

- Created an efficient Python script, which employs intricate SQL queries to scrutinize two schemas across different databases for discrepancies, and generates a comprehensive summary in a CSV file, facilitating further analysis.
- By incorporating this development process, basic checks like identifying row-level discrepancies became a breeze. Additionally, performance was drastically enhanced by 90x for data that had been migrated to AWS Redshift through diverse sources like Postgres and MicroDBs.

EDUCATION

Bachelor of Engineering, Babaria institue of technology | 2016 - 2020
Courses: Computer Engineering. | CGPA - 8.46

High School, V.D. Desai Wadiwala Higher Secondary School | 2014 - 2016
Science | Percentage - 78

LANGUAGES

- **English** — Proficiency - Advanced
- **Hindi** — Proficiency - Intermediate
- **Gujarati** — Proficiency - Advanced