KISHAN REKHADIA

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PROFILE

AWS Certified Data Engineer with 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, PostgreSQL, Aurora
Tools	Git, Github, Visual Studio code, AWS Console, MS Excel, Putty, DBeaver, Docker

EXPERIENCE

Data Engineer
Infosys Ltd.

June 2021 - Present
Pune, India

- Providing 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.
- 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 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.

Intern
Parality XR Pvt. Ltd.

March 2020 - Nov 2020
Surat, India

- Assisted the tech team with ongoing projects while learning to enhance performance.
- AR application development using Blender and Unity.

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 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.

Covid-Resource-Tracker.

- Designed and deployed a simple, yet powerful, website using the Flask framework in Python. The website employs CRUD functionalities to display real-time COVID resource availability at a designated location, and has been successfully deployed on the Heroku app.

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

INTERESTS

1. Cloud Computing
2. Machine Learning
3. Data Science
4. Artificial Intelligence
5. DevOps

LANGUAGES

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