

Akhil M

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Experienced Data Engineer specializing in cloud-based data management and analytics

Experienced Data Engineer with 4+ years in cloud-based data management and analytics. Optimized ETL processes, improving efficiency by 30% within two years. Proficient in SQL, PySpark, and cloud platforms, designing scalable data architectures. Skilled in automation, Agile, real-time analytics, and cross-team collaborating to drive insights.

WORK EXPERIENCE

MetLife

May 2022 - Mar 2024

Data Engineer

Hyderabad, India

- Optimized ETL pipelines by integrating Azure Data Factory and PySpark on Azure Databricks, achieving a 30% increase in data processing efficiency and ensuring data integrity through thorough documentation.
- Automated infrastructure deployment within 4 months by implementing CI/CD pipelines with Azure DevOps and Terraform, enhancing application efficiency and reliability.
- Implemented Application Insights for performance tuning, achieving a 20% reduction in downtime and ensuring reliable analytical reporting through proactive alerts.
- Enhanced Azure Synapse query performance by 30% within 4 months through advanced SQL optimizations, ensuring accurate data validation and timely reporting.
- Developed interactive Power BI dashboards integrated with Azure Analysis Services, providing real-time insights that improved decision-making for stakeholders within 3 months.

Providence Global Centre

Sep 2021 - Apr 2022

Data Engineer

Hyderabad, India

- Led the development of comprehensive data solutions using GCP, fostering collaboration across teams to ensure seamless data integration and support for analytics initiatives.
- Revamped data processing architecture by integrating GCP services, fostering cross-team collaboration that led to improved data accuracy and faster analytics delivery.
- Migrated Hadoop to GCP using containerization, enhancing system scalability by 20% and ensuring reliable dataset access for analytics within 6 months.
- Streamlined data workflows by unifying SQL Database, Synapse, and Databricks, achieving a 15% reduction in processing time and improving data accessibility for analytics.
- Achieved a 30% reduction in deployment time by integrating GCP services into the continuous delivery pipeline, ensuring timely updates and improved reporting accuracy.

EDUCATION

University of Massachusetts Boston

Present

Masters, Information Systems, AI/ML

- GPA: 3.9

CERTIFICATIONS

- **Google Professional Data Engineer:** Google
- **Databricks Certified Data Engineer Associate:** Databricks
- **Microsoft Certified: Azure Data Engineer Associate (DP-203):** Microsoft

AWARDS & SCHOLARSHIPS

- **Beta Gamma Sigma:** university of massachusetts boston

SKILLS

- Airflow, Amazon S3, Analytics Tools, Apache Tomcat, Application Insights, Athena Composer, AWS, Azure Analysis Services, Azure Databricks, Azure Data Explorer, Azure Data Factory, Azure Data Lake Storage, Azure Data Studio, Azure DevOps, Azure Monitor, Azure Role-Based Access Control (RBAC), Azure SQL, Azure Synapse Analytics, BigQuery, BI Support, Business Intelligence, Cassandra, CBT, Cloudera Manager, Cloud Platforms, CSS, Customer Support, Data Analysis, Data Lake, Data Modeling, Data Visualization, Data Warehousing, Dreamweaver, Eclipse, EMR, ETL, Excel, Flume, GCP, GIT, Google Cloud Dataproc, Google Cloud Storage, Hadoop, HBase, HCatalog, HDFS, Hibernate, Hive, HTML, Hue, Impala, Java, JDBC, JSON, Kerberos, Kinesis, Kusto Query Language, Lambda, Linux, Log Analytics, MapReduce, Maven, MongoDB, MS Office 365 Suite, MySQL, Oracle, Pig, PolyBase, PostgreSQL, Power BI, PowerBI, PowerPoint, PySpark, PySpark Programs, Python, R, Redshift, SBT, SharePoint, Shell Script, Snowflake, Soap UI, Spark Components, SQL, SQL Developer, SQL Server, Sqoop, SSMS, Tableau, Teradata SQL Assistant, Terraform, TOAD, VBA, Visual Studio, WebLogic, WebSphere, Windows OS, Yarn, Zookeeper