ADE .A. FOLORUNSO

# Data Engineer

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# PROFESSIONAL SUMMARY:

* Expertise in Azure and AWS cloud infrastructures for 6+ years, with certification as a Cloud Data Engineer and Agile Practitioner. Practical knowledge of cloud-based service deployment and administration.
* Adept at troubleshooting and resolving complex database issues to ensure seamless operations.
* Possess strong analytical and problem-solving skills, coupled with excellent communication and teamwork abilities.
* Committed to maintaining up-to-date knowledge of emerging database technologies to contribute effectively to organizational success

# TECHNICAL SKILLS:

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| **Cloud Services:** | AWS, Azure, Azure Data Factory, Azure Databricks, Azure SQL Database, Functions, Azure Synapse, LogicApps, App Services, Azure KeyVaults  AWS EC2, S3, RDS, CloudFormation, Crawlers, IAM, VPC, AWS Glue, RDS, Redshift Data Warehouse, Snowflake, Salesforce NPSP, Spark, Azure Data Lake Storage Account, Azure SQL Databases, SQL Data Warehouse, S3, Redshift, Azure Synapse, Glue Jobs, Airflow, SQL, MySQL, MongoDB, PostgreSQL, Teradata SQL, Assistant, PyCharm, Autosys, ZOS and windows |
| **Programming Languages**: | Python, Java, R, C++, Scala, Unix shell script, Cobol, SQL, and, PL/SQL, JavaScript, TypeScript, JSON, MATLAB |
| **Frameworks**: | NumPy, Scikit-learn, TensorFlow, KERAS, Flask, React, Flask, Apache Spark, Apache Flink, Kafka |
| **CI/CD**: | Jenkins, Ansible, Kubernetes, Terraform |
| **Ticketing Traffic Tools**: | Jira, ServiceNow, Azure DevOps |
| **OS:** | Windows Server, Cisco, IOS, Linux (Red hat, Ubuntu, Debian) |
| **AWS:** | VPC, EC2, S3, RDS, ELB, EBS, Glue Jobs, Airflow DAG |
| **Source/Version Control:** | Git, GitHub, GitLab’s, Bitbuckets |
| **Containerization Tool:** | Kubernetes, JIRA/Confluence, Version One, Python, Docker |
| **Build Tools:** | Maven, SonarQube, Jenkins |

# PROFESSIONAL EXPERIENCE:

**Akamai Technologies – Data Engineer Apr 2022 – Present**

* The efficiency of data processing was increased by 30% as a result of the design and implementation of cloud data architectures for over fifteen enterprise-level projects.
* Processing more than 500TB of data each month, used AWS Glue to maintain ETL pipelines.
* Data transfer from on-premises SQL Server databases to Azure will be handled by Azure Data Factory, Azure Data Lake, and Azure Databricks.
* Develop and implement processes that are driven by data. Establish data sources and Azure Data Factory into practice.
* Transfer a vast amount of data from the on-premises system to the cloud strategies and apply different ways to implement the Type1/Type2 Slowly Changing dimension.
* The Pyspark was assessed for Databricks notebooks are designed through the process of gathering, transforming, and landing.
* Delta Chart Facilitated compile requirements from fresh data sources and created mapping documentation. ADF data integration pipelines were created to handle ETL and other tasks.
* Transferring data into Azure Data Lake Storage and using Azure Data Lake Analytics tasks to analyze raw data.
* Coordinated with technical analysts and business teams to comprehend business needs.
* Managed a data lake on Amazon S3, improving data retrieval times by 40%.
* Collaborated with data scientists and analysts to deploy 20+ machine learning models on AWS SageMaker.

**Blue Cross Blue Shield – Data Engineer Mar 2020 - Mar 2022**

* Supervision of the creation and application of Extract, Transform, and Load (ETL) systems based on SSIS, enabling simple data integration and transformation.
* Completed meticulous dataset analysis, schema design, entity definition, and table relationship development for new implementations as part of comprehensive data modeling procedures.
* Performed of data sources (Flat files, JSON, CSV, and databases) into target databases Redshift & RDS (SQL Server, MYSQL) was made possible by coordinating Amazon Step Functions to speed up the execution of lambda functions in innovative data pipelines.
* Collaborated Azure Data Factory to engineer complex ETL data pipelines, data processing efficiency was noticeably increased by 25%.
* The quality of healthcare was raised by implementing strict data quality checks and validation methods, which resulted in a noteworthy 15% decrease in data mistakes and a noticeable improvement in data reliability.
* Exhibited processing competence by using PySpark in Azure Databricks for large-scale data extraction, transformation, and loading. Improve data analysis and usability, developed PySpark notebooks to transform unstructured JSON data into organized representations.
* Processed data in real time by utilizing Azure Databricks, which allowed to easily integrate streaming data from sources and cut down on data latency by 40%.
* Built cutting-edge real-time data processing and streaming technologies, as exemplified by the use of Azure Databricks, to facilitate timely insights and informed decision-making in the healthcare analytics space.
* Implement dependable automatic data backup and recovery strategies that leverage cloud-native technology to safeguard data integrity and ensure resilience in the event of disruptions.

**Epsilon Technologies – Database Developer Apr 2018 – Feb 2020**

* Identified the data's sources, create data flow diagrams, and keep track of the sources for processing, mapping, and any necessary business transformations.
* Important to plan and maintain database security for tables, views, stored procedures, indexes, and other database objects.
* Maintain batch processing efficiency in the data warehouse by parallelizing, keeping an eye on query execution schedules, and fine-tuning performance as needed.
* Evaluated unusual activity in the database environment and diagnose issues with reliability and performance.
* Determined how well database operations performed by comparing to the most important database performance parameters.
* Attend to production support tickets and provide uninterrupted service to address production problems.

# EDUCATION:

**MSC Logistics and supply chain management** – University Of Portsmouth, United Kingdom Jul 2018

# CERTIFICATION:

* AWS Certified Solutions Architect
* AZ-900 - Microsoft Azure Fundamentals