

OLA OYE ANTHONY SOMIDE

SENIOR DATA & CLOUD SOLUTIONS ENGINEER.

PROFESSIONAL SUMMARY

- Senior Data and Cloud Solutions Engineer with over 7 years of experience in designing, implementing, and managing cloud-based and data-driven solutions.
- Expertise in AWS, GCP, and Microsoft Azure, as well as big data technologies such as BigQuery, Redshift, Databricks, Apache Spark, Apache Kafka, Elasticsearch, and Airflow.
- Strong communication and team player skills, with the ability to work effectively with cross-functional teams to achieve common goals.

SKILLS & EXPERTISE

- Databases: BigQuery, Redshift, Snowflake, PostgreSQL, MongoDB, Cassandra, Elasticsearch, Redis.
- Frameworks: Apache Spark, Apache Kafka, Apache Beam (Google Dataflow), Airflow, DBT, AWS Kinesis, AWS Glue, FastAPI, Flask, Amundsen, Pandas, TensorFlow, PyTorch, Scikit-learn, OpenCV.
- Cloud Platforms: Amazon Web Services (AWS), Azure, Google Cloud Platform (GCP), Databricks.
- Visualization: PowerBI, Tableau, Looker, QuickSight, Kibana, Grafana, Streamlit, Plotly, Dash, D3.js.
- Programming Languages: Python, SQL, R, Go, Java, Scala, GraphQL.
- Others: Linux, Docker, GitHub, Azure DevOps, Jira, Terraform, PySpark, DuckDB, and Rest APIs.

WORK EXPERIENCE

Senior Data Engineer

Feb. 2024 - Present

LifeCheq(Pty.) Ltd. | Cape Town, South Africa (Remote).

- Designed & maintained data infrastructure on Databricks and AWS to support analytics workloads.
- Improved Analytics Gateway REST API for efficient data ingestion from multiple event sources.
- Collaborated with backend & ML teams to integrate new data sources and optimize data pipelines.
- Promoted best practices in automated data pipeline & infrastructure management with Terraform.
- Partnered with BI reporting team to mature data model and optimize query performance.
- Developed monitoring tools to track data pipeline and infrastructure health.

Back-End & Data Engineer

May. 2023 - Feb. 2024

NatureAlpha.ai | London, United Kingdom (Remote).

- Built & managed scalable GCP Dataflow/Apache Beam pipelines processing millions of records daily.
- Designed & implemented high-quality, business-aligned data models for better decision-making.
- Optimized data warehouses on BigQuery and AWS Redshift, reducing query times by up to 50%.
- Established a data governance and cataloging system using Google Data Catalog and Amundsen, improving data assets' discoverability, usability, and lineage by 20%.
- Managed multiple GCP and AWS accounts, ensuring security, compliance, and cost-effectiveness.
- Worked with GCP AI and ML services such as AutoML, Vertex AI, and BigQuery ML.

Innovation Software & Data Engineer

Jul. 2020 – Apr. 2023

United Nations – World Food Programme (WFP) | Rome, Italy (Hybrid).

- Optimized cloud infrastructure cost and application performance by migrating existing monoliths to a serverless microservices architecture, saving almost 70% of total costs.
- Created ETL/ELT pipelines for ingesting data from multiple sources using SQL, Python, AWS Lambda, S3, PySpark, AWS Glue, and Step Functions, reducing data processing time by 50%.
- Performed frequent data migration tasks between on-premise and cloud-based environments.
- Led multiple API development efforts that provided fast and easy access to organizational datasets.
- Developed CI/CD pipelines that deploy new code changes to AWS using Azure DevOps and Docker.

GIS Software Developer / Geo-Database Manager

Nov. 2016 – Jun. 2020

United Nations – MINUSMA | Bamako, Mali (On-Site).

- Designed, deployed, & managed GIS enterprise solutions & data warehouse on Microsoft Azure.
- Automated geospatial data ingestion with Python & Airflow ETL pipelines for efficiency & accuracy.
- Coordinated major data collection and distribution efforts to internal and external stakeholders, ensuring seamless communication and collaboration.
- Enhanced information accessibility and decision-making capabilities for senior management staff using the Power BI dashboard and reporting tool, leading to better business outcomes.

Full-Stack Software Engineer

Dec. 2015 – Nov. 2016

Wild Fusion (ROI Digital) | Lagos, Nigeria (On-Site).

- Successfully managed the deployment of applications and database servers on AWS, ensuring high availability and performance.
- Developed and deployed a REST API that serves 17+ million customer profiles at scale to downstream applications, improving operational efficiency and reducing costs.
- Provided technical mentorship to junior team members while enforcing coding best practices.

EDUCATION

MSc. Computer Science with Artificial Intelligence

Jul. 2021 – Oct. 2023

Northumbria University, Newcastle, UK.

BSc. Geo-Informatics

Oct. 2011 – Aug. 2015

University of Nigeria, Enugu, Nigeria.

CERTIFICATIONS

AWS Solution Architect Associate (2019)

Amazon Web Services (AWS) | [Preview Link](#)

AWS Data Analytics – Specialty (2020)

Amazon Web Services (AWS) | [Preview Link](#)

GCP Professional Data Engineer (2020)

Google Cloud Platform (GCP) | [Preview Link](#)

Microsoft Azure AI Fundamentals (2022)

Microsoft Azure | [Preview Link](#)