

QAMARUDEEN OLABODE MUHAMMAD

DATA ENGINEER

CONTACT

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GitHub:

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Time Zone:
GMT +1 (Nigeria)

EDUCATION

2020

• Kwara State University, Malete, Nigeria

Bachelor of Science (B.Sc) in
Computer Science

TRAINING AND CERTIFICATIONS

- Statement of Accomplishment in Data Engineering - Jan - April 2022
- HCIA Big Data v2.0 Certification (Huawei) - Oct 2021
- Google Project Management - Aug 2021
- Associate Cloud Engineer (Google) - Feb 2021
- Google Cloud Platform Big Data and Machine Learning Fundamentals – Coursera
- Modernizing Data Lakes and Data Warehouses with GCP – Coursera
- Building Batch Data Pipelines on GCP – Coursera
- Building Resilient Streaming Analytics Systems on GCP – Coursera
- Smart Analysis, Machine Learning, and AI on GCP - Coursera
- - ICSI | CNSS Certified Network Security Specialist

PROFESSIONAL SUMMARY

Resourceful and results-oriented data-driven Data Engineer with a nine year long experience in software engineering, delivering robust, lasting software solutions in the e-commerce and education sectors, and servicing a wide range of clientele in the public and private sectors. Thoroughbred professional with a proven track record of restoring normalcy to chaotic big data spaces, creating exceptional client experience, and generating creativity and imagination to solve complex data problems through the ability to communicate at all levels. A professional with an uncanny ability in designing, creating, building, and maintaining data pipelines, collating raw data from various sources, and ensuring performance optimization. An expert in playing research and implementation roles that involve progressively newer and better systems.

Can deploy creative problem solving skills to achieve optimum utilization of resources and maximum profit.

I am a keen follower of global policy changes, regulations, innovative tools release, and trends in Big Data Space.

OBJECTIVE

To harness innate and acquired potentials for optimal realisation of the organisation's vision and mission, and impacting positively on people's lives. To contribute maximally through working in an environment that values the individual as the principal agent and purveyor of scientific innovation and development.

CAREER HISTORY

June 2020 - Present

DATA ENGINEER - VEND EASE LIMITED (www.vendease.com)

- Engaging in system architectural design and reviewing sessions of Cloud-based Data pipeline using <http://draw.io> tools
- Reviewing and proposing AWS services for Cloud-based Data pipeline implementation to meet company's scaling up requirements
- Writing IAAC code in Terraform to deploy cloud infrastructure on AWS
- Deploying and configuring AWS Data Migration Services (DMS) to implement data extraction for both full load and Change Data Capture (CDC) to achieve near "real-time" data processing for the downstream system
- Implementing data staging and Data lake using AWS S3 bucket
- Writing Python script to implement Transformation processes, and deployed the code on Lambda Function environment
- Configuring AWS Lambda function to listen on event Trigger by targeted S3 bucket.
- Deploying various customized Layers on Lambda function to Transformation processes.
- Researching and conducting "Proof of Concept" (POC) using OOS such as Airbyte, Airflow, OpenWhisk, Knative, Kafka Debezium, OpenFass etc
- Developing and deploying Micro-services Application on Google Kubernetes Engine (GKE) using DevOps tools such as Plural
- Designed and implemented Cloud-to-Cloud (AWS-GCP, site-to-site) VPN in collaboration with DevOps team to enable Airbyte on GCP GKE cluster ingest data from RDS Postgres server on AWS

SKILLS AND STRENGTHS

- Python, PySpark, SparkSQL, BigQuery, CloudSQL, DataProc, Dataflow, Vertex AI, Data Wrangling & Modelling, ML designing, ETL, ELT, Apache Kafka, Apache Airflow, DBT, Docker, kubernetes, Terraform, Github Action, FASTAPI, Selemium, SQLAlchemy, Airbyte, GitOps tool: Plural, MLOps, Time Management



- Communication: Slack, Asana, Jira, Confluence, Google Meet, Zoom.



- Team Leadership



- Ability to manage large amounts of data effectively



- Excellent negotiation and decision-making skills



- Very good presentation and communication skills



- Ability to coordinate and supervise



- Strong interpersonal skills in projects involving people from diverse backgrounds.



- Team-Player – Can be counted on to work co-operatively with others



- Adaptability – Can work effectively in line with new procedures while coping with the challenges of a highly- mobile position.



REFEREES

Available on request.

August 2021 - March 2022

DATA ENGINEER - *DATA2BOTS* (www.data2bots.com)

- System Design and general architecture of Cloud-based data pipeline
- Designing, implementing Datawarehouse using BigQuery, and Datalake using Cloud Storage
- Writing IAAC code in Terraform to deploy cloud infrastructure on GCP
- Developing and deploying Micro-services Application with Google Kubernetes Engine (GKE)
- Designing and implementing transformation processor with Pyspark for business logic
- Writing Ingestion scripts in Python for varieties of data source, and writing and implementing DAGs in Apache Airflow for Data pipeline workflow
- Implementing CICD with Github Action for various internal projects
- Deploying various Spark versions on different environments such standalone, cluster (Dataproc), docker (k8s) for Upstream users in the areas of Machine Learning and Data Science
- Monitoring and evaluating data pipeline, and writing SQL for data aggregation and complex queries
- Testing and implementing various POCs

June 2019 - Nov 2019

PYTHON INSTRUCTOR - *BLUE MOON ASSOCIATES LTD*

- Designing and developing training manual for Python Programming language
- Deploying the curriculum to develop lesson notes to meet learners' needs
- Training of target learners with designed curriculum, and performing assessment and performance evaluation

June 2019 - Nov 2019

CLOUD ENGINEER - *BLUE MOON ASSOCIATES LTD*

- Migrated Company Web Server to Google Cloud Platform with minimal operational downtime
- Identifying the appropriate IAAS for the company's immediate and future needs
- Implementing standard Firewall procedure to ensure global reach, whilst protecting it from security breach
- Configuring CLOUD DNS, and identifying and installing appropriate Open source OS, CENTOS 7
- Configuring BIND9, and installing and configuring Centos Web Panel to manage web service
- Installed and configured web mail server with POSIFIX, DOVECOT, SPAMASSASSIN, SQUIREMAIL
- Configured third party SMTP relay host (SENDGRID)
- Backing up and migrating all data from old server via internet to the new server on GCP
- Configuring SSL for each website with AUTOSSL