Olawole Frankfurt Ogunfunminiyi

Mobile: +1(832)815-0073

Email:frankfurtmacmoses@gmail.com

Executive Summary: Frankfurt is a Data engineer with 3+ years of experience in Cloud platform (AWS). He is passionate about this field and looks forward to the next steps.

- 13+ years of experience in Information Technology predominantly in the area of E-payment, government, Information technology and telecommunication, international development, energy, project management. I am an Experienced Software Engineer with an interest in big data.
- Expertise in ETL technologies AWS and Oracle suite.
- Database programming, SQL loader, Database tuning, building complex queries.
- Strong Technical experience in Data Modelling, Design, Development, implementation, customization, Maintenance and production support of ETL Migration, Integration and Data warehousing projects using Oracle and AWS and RStudio Server and Erwin.
- 2+ years of experience in Cloud platform (AWS).
- 1+ Years of development experience with Big Data Hadoop cluster (HDFS, MapReduce frameworks), Hive, Pig, Python.
- 1+ Years of Experience working using Spark Technology.
- Familiar with data architecture including data ingestion pipeline design, Hadoop information architecture, data modeling and advanced data processing. Experience optimizing ETL workflows.
- Hands-on experience with Amazon EC2, Amazon S3, Amazon RDS, VPC, IAM, Amazon Elastic Load Balancing, Auto Scaling, CloudFront, CloudWatch, SNS, SES, SQS and other services of the AWS family.
- 3+ Years of Experience in Data Warehouse Architecture and Design implementing data warehouses of various domains and sizes. Responsible for designing the Logical and Physical Data Model, implementing the ETL flows that perform initial and incremental batch loads, performing pre-production tests, production monitoring of telecom tariff files with high exposure Relational Database Modeling tools.
- 3 years of experience in dataLoad Utilities and tools such as SQL Plus and Erwin.
- Experienced in both SDLC and Agile methodologies.
- Hands on experience selecting appropriate AWS services to design and deploy an application based on given requirements.
- Good knowledge of Implementing cost control strategies on AWS platform.
- Setup/Managing CDN on Amazon CloudFront to improve site performance.
- Solid programming knowledge on Spark, Python and Java.
- 3+ years of ETL experience with Oracle (8i, 9i,10g, 11g) in combination with shell and Perl scripts.
- Experience in using Oracle development tools such as Tool for Oracle Application Development (TOAD), SQL developer, SQL* Plus and PL/SQL Developer and Oracle Apex.
- Excellent written and verbal communication skills including experience in Business meetings, SOW proposals, project presentations, design solution walkthroughs, publishing regular status reports, conducting and coordinating status meetings, handling/resolving situations like customer facing issues etc.

Big Data Tools:	HDFS, MapReduce, Hive, Pig Latin, Sqoop, Oozie, YARN, Avro, Parquet, Kafka, EMR, Apache Spark Core, DataFrame, Spark SQL, Spark Streaming, Amazon Athena, Glue
Programming Languages:	JAVA, Python, R, PLS/SQL

Automation/DevOps Tools:	YAML, Python, Shell Scripting, Code Pipeline, CodeStar, Git / Github, Code Build, CloudFormation, Elastic Beanstalk, Elastic Container Service and Elastic Container Kubernetes, Terraform
ETL and Reporting:	Tableau, R ggplot, Amazon Kinesis, Splunk, Quick sight, Pig, Hive, Kafka, Glue, Athena, ES & Kibana
Databases:	Oracle, Cassandra, RDS, Redshift, Dynamo, Aurora, Hbase, Neptune
Project / Business Management:	SDLC Project Management, user requirement gathering, problem solving, strong presentation and communication skill

---

INFOBLOX, CALIFORNIA   **June 2021 – Till Date**
Cloud Data Engineer
- Design and build Observable Systems and Monitoring Infrastructure consisting of: Event Logging, Metrics, Distributed Tracing, on data lakes managed by Dremio with NewRelics and lambda.
- Create libraries and frameworks across a variety of languages (Python, Java) to easily build monitoring into services other teams have built.
- Owned problems end-to-end, thinking through everything from system design, data modeling, scalability, operability and ongoing metrics.
- Upheld high engineering standards by bring consistency to the codebases, infrastructure, and processes
- Collaborated with experts in infrastructure, security and product engineering of DDI and DHCP and IP Address Management.

PRAIRIE VIEW A & M UNIVERSITY, TEXAS   **Jan 2021 – June 2021**
Data Analytics and Marching Learning Engineer
- Conducted experiment to profile containers in Kubernetes cluster for optimizing cloud resource by reducing container cold start and improve function as a service (FAAS) latency
- Build containers for machine learning algorithms used for face recognitions
- Deployed and Configured OpenWhisk (IBM Serverless - Private Cloud) with Prometheus and Grafana to Collect Node Metrics on Kubernetes Cluster
- Worked on Container Eviction Methods using different opensource Cloud Platforms
- Researched executing machine learning algorithms as serverless functions in
- Organize and present findings in publications for future research
- Organize and analyze data for machine learning prediction
- Build machine learning models to predict flood in Bay Area of Houston
- Collaborate with manager in preparing research proposals

THE WORLD BANK/OSUN STATE GOVERNMENT, OSOGBO   **Jan 2016 – July 2018**
Project Data Manager
- Ensured there is a well-defined delivery methodology for development of database for building 195 megawatts of electricity to power the state secretariat to be financed by Exim bank, U.S.A between 2014-2017.
- Project Managed the team responsible for design of Big Data Analytics usage for strategic repositioning of Bureau of Social Services (BOSS) for effective Monitoring and Evaluation of Youth Employment and Social Support Operations.
- Review proposals, technical/user requirement documents from service providers of application automation to government and scheduling products that ensure core business processes run faster, more accurately and without interruption.
- Drafted operation processes for submitting reports and made presentations in conjunction with the Ministry of Information, Science and Technology to review usage of bulk Microsoft licenses procured by the State Government of Osun.

THE WORLD BANK/OSUN STATE GOVERNMENT, OSOGBO   **Nov 2012 – Dec 2016**
Project Reporting Data Analyst
- Analyzed and processed complex data sets using advanced querying, visualization and analytics tools.
- Identified, measured and recommended improvement strategies for KPIs across all projects.
- Responsible for parsing and merging datasets
- Customized project management software running on Oracle Apex for effective project data collection.
- Worked with management team to conduct bi-annual evaluation of projects in the state
- Developed dashboard of project milestones progress with excel and R programming language
- Periodically report data stories of projects in the state.
- Directly involved information technology training for the Youth Employment and Social Support Operations (YESSO) activities of the World Bank / Osun State Government

CHAMSSWITCH LIMITED ABUJA   **Nov 2008 – Jul 2011**
Software Quality Assurance Analyst
- Directly performed user acceptance test of data collection software to Base24 eps
- My team created over 300 weekly and monthly reports for payment reconciliation of connected banks and the different state government on the payment platform
- Conducted Hypothesis Test: T-test or Z-test for A/B test to guarantee statistically significant results for different user interfaces of the revenue collection platform. The result was a better user interface that increased usage of our platform over the competitors. Our platform won best revenue collection platform of the year 2010 in Nigeria
- Participated as a key QA team member converting excel-based legacy Fixed Asset Accounting System to an Oracle APEX application.
- Updated test cases and SQL queries leading to increase in software testing efficiency
- Created customized report using excel VBA

MTN, LAGOS   **May 2006 – Oct 2008**
PL/Sql Developer
- Involving in the full development cycle of Planning, analysis, design, development, testing, and implementation.
- Designing logical and physical data models for application schemas using Oracle Data Modeler.
- Created and modified SQL Plus, PL/SQL and SQL Loader scripts for data conversions.
- Developed and modified triggers, packages, functions and stored procedures for data conversions and PL/SQL procedures to create database objects dynamically based on user inputs.
- Wrote SQL, PL/SQL, SQL Plus programs required to retrieve data using cursors and exception handling.
- Creating indexes on tables to improve the performance by eliminating the full table scans and views for hiding the actual tables and to eliminate the complexity of the large queries.
- Coordinating with the front-end design team to provide them with the necessary stored procedures and packages and the necessary insight into the data.
- Created and modified several Unix shell scripts according to the changing needs of the project and client requirements.
- Wrote Unix shell scripts to process the files daily like renaming the file, extracting the date from the file, unzipping the file and removing the junk characters from the file before loading them into the base tables.

Master of Science in Computer Science
Prairie View A & M University, TEXAS (In-View)

Graduate Diploma Computer Science
Ladoke Akintola University of Technology 2017

Master of Business Administration (MBA)
Business School Netherland, Buren 2015

BSc Soil Science
Obafemi Awolowo University – Ife 2003

AWS Certified Cloud Practitioner 2020
Project Management Professional, PMP (ID: 1212004) 2008
Sun Certified Web Component Developer for the Java EE 1.4 Platform (SCWCD) 2007
Sun Certified Programmer for Java Platform (1.4) (SCJP) 2006
Oracle Certified Associate (OCA) Awarded by Oracle Incorporation 2006

John Hopkins University Bloomberg School of Public Health Verified Certificate - Coursera
Data Science Toolbox
Getting and Cleaning Data
Reproducible Research R Programming
Exploratory Data Analysis
Statistical Inference
Practical Machine Learning with R