

Ayotomiwa Salau



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Summary

Ayotomiwa is a Senior Data Engineer with over 5 years of experience in the IT industry, delivering innovative solutions across the fintech, banking, and telecommunications domains. He has worked for world class professional service firms and fast paced startups and has deliver value in form of operational efficiency and improved data insight strategy. His core skill set includes Python, Java, and SQL, he is well-versed in data modelling, databases, data warehouses, and ETL data pipelines. Ayotomiwa has hands-on experience building web infrastructures, data pipelines, containerization solutions, and Machine Learning models. He has a proven record of successfully leading teams under Scrum and Kanban methodologies and is an enthusiastic professional who prioritizes collaboration and adding business value.

Experience



Lead Data Engineer

Bravely

Oct 2023 - Present (2 months)



Big Data Engineer

Symphony Solutions

Dec 2022 - Oct 2023 (11 months)

Created a google pub-sub topic to receive marketing data from a third-party source, Albacross, via it's webhooks. Integrated Big query to ingest and store the data. Built dashboards using Looker, visualizing important information about leads and campaigns.

Built the CRUD endpoints for an account management service using SpringBoot framework, Gradle, Keycloak and PostgreSQL DB

Worked with Kafka streams API to transform data from open telemetry agents from one topic to another.



Senior (Lead) Data Engineer

Indicina

Jun 2021 - Aug 2023 (2 years 3 months)

- Deployed Spark servers to process transaction data about 1.5 billion rows with AWS EMR clusters. It improved the business big data processing capability, the business was able to run complex processes at high speed and low latency.

- Built pipelines to automate data workflows, it involved automating feature engineering (EMR) and model scoring (Sagemaker)with Airflow. This initiative accelerated the time required for completing the workflow from a week to 2days.

- Deployed a scheduled AWS Lambda serverless for parsing bank statement objects. It served by filtering only relevant object.

- Led a team to encrypt personal identifiable (PII) data for privacy control on cloud storage, S3. It allowed the business to be more compliant to data regulations.

- Deployed a transfer service, SFTP server, for receiving big data from clients, 200GB and above. It enabled the business to seamlessly receive big data from clients, this reduced the constraint in receiving large data from clients.
- Built data models and schema designs for company's data warehouse, deployed its data transformation pipelines (Airflow) on EKS then outputted parquet files that could be queried using SQL on Athena via glue catalog



Freelance AI Developer

Upwork

Jul 2020 - Dec 2021 (1 year 6 months)

- Built machine/deep learning model infrastructure for clients on GCP clusters with Vertex AI
- Built and deployed an open sourced deep learning software package that converts 2D images to 3D for a client. Integrated the package into their software architecture - network & database - for usage.
- Deployed a GCP Redis (NoSQL) cluster to enable search through hash fingerprints of 3D models



Data Specialist

KPMG Nigeria

Sep 2018 - May 2020 (1 year 9 months)

- Worked as the Data specialist on a Financial Audit project. Managed big data spooling, formatting, validation, storage and distribution to 17 team members. Used SQL to query and spool financial data (account balances, overdraft, credit transactions, bond & maintenance fees) from Oracle database via ACL. Due to time management in processing data, the client reported early ahead of its competitors for the FY.
- Worked on a revenue assurance project. Cleaned, analyzed and built processing pipelines to compute data on overdraft & maintenance fee charges to assure the figures stated in the company's financial report. It was done using Python and IDEA (VBA) tool. Also created plots and visuals for the client report using Excel & PowerBI.
- Built a machine learning web application that can predict future stock prices as Proof of Concept. Sourced data from financial data API (Quandl) and trained an ARIMA model to make predictions. Did a presentation demo to stakeholders.
- Worked as a digital consultant on big data, machine learning, and robotic process automation. Moderated sessions with clients such as banks on how to use/ utilize the modern technologies (robotic process automation, customer segmentation model & realtime analytics) for their business process, as well as sessions with software providers such as IBM on tools that would serve the company and its clients.
- Led a team of two to execute a data privacy review for a telecom company. Identified personal identifiable information (PII), reviewed the practice around collecting, processing and storing the data and benchmarked practices against NDPR, GDPR, ISO/IEC 27001. Discovered customer, employee and vendor data were the most critical data asset and suggested controls around them.

Education



Udacity

Nanodegree, Data Engineering

2020 - 2020



Udacity

Nanodegree, Full Stack Developer
2020 - 2020



Udacity

Nanodegree Data Science
2018 - 2019



Udacity

Nanodegree Predictive Analytics for Business
2019 - 2019



UiPath Academy

Robotic Process Automation



University of Lagos

Master's degree, Structural Engineering
2016 - 2018

Published Paper - "Deflection Response Of Structural Circular Sandwich Plates Subject To Uniform, Concentrated And Linearly Varying Load.."



Covenant University

Engineer's Degree, Civil Engineering
2010 - 2015

Published Paper: Potentials of Momordica angustisepala fiber in enhancing strengths of normal portland cement concrete

Skills

Python (Programming Language) • SQL • Java • Amazon Web Services (AWS) • Amazon Redshift • Airflow • Apache Spark • MongoDB • Apache Kafka • Kubernetes