

OGUNNIRAN OLUWASIJIBOMI JOSHUA

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PROFESSIONAL SUMMARY

Senior Data Scientist with 6+ years of expertise in Data Analytics, Machine Learning, Big Data, and Business Intelligence. Skilled in building predictive models, developing data pipelines, and implementing ETL processes with AWS to drive financial forecasts and business insights. Strong in database management, data visualization, and programming. Adept at delivering actionable insights to support decision-making, process improvements, and corporate growth. Proven ability to bridge business needs with technical solutions and integrate systems with the latest cloud technologies.

TECHNICAL PROFICIENCIES

- **Programming Languages:** *Python, JavaScript, C++, Matlab, NodeJS*
- **Machine Learning/Deep Learning Libraries:** *OpenCV, Tensorflow, Scikit-Learn, Scipy, Pil, Flask, PySpark, Keras, PyTorch, Spark, Hadoop.* **Operating System/Platforms:** *Linux (Ubuntu), Mac, Windows*
- **Deployment Tools:** *Flask, Django, AWS Sagemaker, GIT, Apache Airflow, AWS (Redshift, Lambda, S3, SageMaker), DBT, Google Bigquery, Snowflake*
- **Business Intelligence Tools:** *Postgres, Redshift, MySQL, NoSQL MongoDB, PowerBI, Tableau, Looker, Amazon Quicksight*
- **Data & Business Processes:** *Gap & Impact Analysis, Wire Mapping System, Test Scripts and Scenarios, RAID MGMT.*

SELECTED CAREER ACCOMPLISHMENTS

- Championed data-driven decision-making by devising and executing strategic risk mitigation plans, resulting in a remarkable **20% reduction in operational costs** and reserves while enhancing profitability – **Merit Capital, USA**
- Pioneered the development of a recommendation engine system, resulting in a substantial increase in sales revenue **ranging from 15% to 20%**, using insights from category testing and innovative suggestions to drive this remarkable growth - **Lurvity Incorporation, UK**
- Maintained an exceptional **90% customer retention rate** through proactive collaboration with customers, sales, and the solution architecture team – **Izifin**
- Spearheaded a successful transition from Oracle to Redshift utilising Amazon Athena and S3, achieving remarkable **annual cost savings of \$678,000** while concurrently boosting **system performance by an impressive 14%** - **Robotics and Artificial Intelligence Nigeria**
- Leveraged Spark in Python to efficiently process large streaming datasets, achieving a remarkable **67% improvement in data ingestion and processing speed** - **Gradient Boosting, Nigeria.**

PROFESSIONAL EXPERIENCE – CAREER PROGRESSION

LEAD DATA SCIENCE ENGINEER - Circo Africa, Nigeria

May 2024– Present

- Pioneered the design and implementation of scalable **microservices architecture**, empowering **AI-driven** recommender systems and intelligent video tagging, resulting in personalized user experiences and increased engagement.
- Directed a cross-functional team in advanced data management initiatives, seamlessly integrating **DBT data modeling, Redshift clusters, Snowflake** and **S3 storage** solutions to support high-volume data migration and real-time analytics.
- Orchestrated the transformation of raw data into actionable insights, creating dynamic dashboards with **Metabase** that empowered stakeholders to make data-driven decisions, optimize strategies, and identify growth opportunities.
- Led the transition to modern data infrastructure, implementing robust ETL pipelines, automating workflows, and driving the adoption of cloud technologies to streamline data operations and reduce costs.
- Championed best practices in data engineering and big data analytics, mentoring team members in data governance, data quality standards, and performance optimization for large-scale datasets.

- Implemented innovative data solutions that enhanced operational efficiency, enabling faster and more accurate reporting, and reducing data processing time by over 40%.

SENIOR DATA SCIENCE ENGINEER - Zarttech, Netherlands

November 2023– August 2024

- Designed and implemented a comprehensive data ingestion framework to efficiently gather data from diverse platforms, including **Google Analytics** making data pipelining ingestion 30% faster.
- Developed data transformation processes to ensure the accuracy, consistency, and relevance of the integrated data.
- Architected and constructed a scalable data warehouse and data marts to facilitate the storage and retrieval of data for analysis and reporting.
- **Built and maintained APIs** to enable seamless data exchange between different components of the solution and external systems.
- **Implemented ELT in Snowflake** using DBT for optimized data workflows for different reverse ETL processes (segment) and dashboarding.

DATA SCIENTIST- Merit Capital, Seattle, United States

February 2022 – October 2023

- Facilitate cross-functional collaboration by promoting strong relationships with managers, ensuring active cooperation, and actively defining analytical requirements to generate valuable insights for the business.
- Effectively lead complex ETL (Extract, Transform, Load) process, integrating data from five diverse sources comprising millions of datasets, enhancing data accessibility and quality.
- Develop and implement multiple portfolio optimization frameworks for Data Modeling, significantly enhancing model performance and metric outcomes.
- Collaborate with a team of three Data Scientists to conduct rigorous Model Back Testing and Rebalancing exercises, critically evaluating the success of our data-driven strategies.
- Built a Customer Lifetime value model based on the Recency-Frequency-Monetary model and a customer churn model using survival analysis which significantly increased the company's growth rate
- Experience in ETL & Data Warehousing concepts and incremental loads.
- Maintaining and handling different types of data like **OLTP, OLAP, Excel, XML, CSV, and Flat files** for data integration operations & writing a user story

DATA ANALYST CONSULTANT - Izifin, Lagos, Nigeria

October 2021 – January 2022

- Drove the implementation of **rigorous improvements**, standards, and controls to improve processes while advancing collaboration with other engineers and data teams to manage and utilise data resources for an AI contract efficiently.
- Significantly improved customer experience by deploying various time series forecasting techniques to predict surges in customer orders, which resulted in a 10-minute reduction in average customer wait time, executed promptly and effectively.
- Managed a dedicated team of 5 data engineers, working closely with company leadership to propose data-driven recommendations grounded in historical data analysis and testing outcomes.
- Utilized **DBT** to build new analyses and support existing ones and Communicated findings to a wide range of stakeholders
- Helped to drive a change in usage of data through active surfacing of insights to stakeholders

Notable Result

- Contributed to business growth by successfully implementing a production-ready recommendation engine, which intelligently tailored item recommendations to customer order history, resulting in a 7% increase average order size.

ASSOCIATE DATA ENGINEER - Robotics & Artificial Intelligence Nigeria, Ibadan

May 2020 – September 2021

- Effectively maintained dashboards and reports critical for internal reporting and KPI tracking, ensuring real-time data accessibility and actionable insights.

- Implemented a cutting-edge Customer Segmentation System, leveraging AWS Cloud for streamlined deployment pipeline processes for enhanced business intelligence and targeted marketing efforts.
- Executed project risk analysis models utilising distributed systems such as Spark and Hadoop, contributed to data-driven risk mitigation strategies and enhanced project success rates.
- Led the deployment of Deep Learning Models within a Big Data environment, harnessing the power of data to solve complex Applied Artificial Intelligence challenges.

Notable Results

- Designed and executed a real-time data pipeline capable of processing semi-structured data from over 150 million raw records across 30+ data sources leveraging Kafka and PySpark, enabling efficient data handling and analytics.
- Architected a data pipeline framework for a new product rapidly expanding from ground zero to a daily active of 125,000, demonstrating exceptional scalability and foresight.

EDUCATION

▪ B.Sc. Civil Engineering (Second Class Upper Division) - University of Ibadan, Nigeria	2020
Undergraduate Research Lead/Data Scientist	2019 - 2020