

## Contact

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## Top Skills

Fishtown Analytics dbt  
fivertan  
Google BigQuery

## Certifications

DATA SCIENCE IN  
ARCHITECTURE, ENGINEERING  
AND CONSTRUCTION  
BIM FUNDAMENTALS  
Google AI product Manager  
Certification  
ESEFA FUNDAMENTALS IN SAP  
Microsoft Professional Program in  
Data Science

## Honors-Awards

Outstanding Student  
External Relations Committee  
Chairman

# Ogunniran Oluwasijibomi

Senior Data Professional | Data Engineering & Analytics | Data  
Science | Python | SQL | Apache Spark | Databricks | AWS | Azure  
| Kubernetes | Docker | dbt | Kafka | Terraform | Airflow | ETL | Big  
Data

Nigeria

## Summary

As a seasoned Senior Data Professional, I specialize in developing sophisticated statistical models and cutting-edge machine learning algorithms tailored for financial forecasting, risk management, and predictive analytics. My expertise extends to conducting in-depth exploratory data analysis and crafting insightful data visualizations to discern trends and patterns within vast financial datasets. I am adept at constructing and maintaining robust databases that facilitate the seamless manipulation of extensive financial data sets. My collaborative approach involves working closely with cross-functional teams to identify strategic business opportunities and drive informed decision-making.

Armed with a Bachelor's degree in Civil Engineering from the esteemed University of Ibadan, my educational background underscores a solid foundation in mathematics, statistics, and engineering. Further enhancing my skill set, I have successfully completed the Microsoft Professional Program in Data Science. Through a diverse array of projects, roles, and fellowships, I have gained valuable experience in data engineering, data intelligence, and deep learning, reflecting my unwavering passion for tackling complex challenges with data-driven solutions.

With over 7 years of comprehensive experience, I bring a wealth of knowledge in Data Analytics, Machine Learning Algorithms, Big Data Capture, Business Intelligence, and Enterprise Dashboard Development processes. My skill set encompasses a profound understanding of various database types, coupled with proficiency in research methodologies such as big data curation, manipulation, visualization, and programming concepts. I excel in deploying predictive models, developing data pipelines, and implementing ETL

processes and solutions, effectively addressing diverse commercial needs.

My contributions extend beyond technical prowess to include the ability to furnish strategic insights, identify correlations within raw data, and synthesize quantitative information. This skill set is leveraged to advance opportunity identification, drive process reengineering, and catalyze corporate growth for financial institutions. Recognized as a bridge between business needs and technical solutions, I have successfully collaborated with various organizations, platforms, and systems, seamlessly integrating them with the latest advancements in cloud technology. My overarching goal is to continue spearheading innovative solutions that have a positive impact on the world.

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## Experience

### Circo

#### Lead Data Engineer

July 2024 - Present (4 months)

Lagos State, Nigeria

- 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, 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%.

- Collaborated with product and engineering teams to align data strategy with business goals, translating complex data requirements into technical specifications that fueled product development and innovation.

## Zarttech

### Senior Data Engineer

November 2023 - October 2024 (1 year)

Netherlands

In my role as a Senior Data Analytics Engineer at Zarttech, I led the development of a sophisticated campaign management platform, transforming raw data into actionable insights to empower data-driven decision-making. By leveraging state-of-the-art technologies, I designed and optimized scalable data solutions to deliver impactful business analytics and intelligence.

#### Key Achievements & Responsibilities:

- Architected robust data warehousing solutions that streamlined reporting and analytics for marketing campaigns.
- Implemented high-performance data processing workflows using Apache Spark and Delta Lake to handle large-scale data efficiently.
- Leveraged Azure Databricks for scalable data analytics, enhancing data-driven strategies across the organization.
- Developed and optimized data pipelines in Google BigQuery, ensuring real-time access to crucial business insights.
- Seamlessly integrated multi-source data into a unified platform using Amazon Web Services (AWS), maximizing storage and processing efficiency.
- Spearheaded initiatives to improve data accuracy and reliability, resulting in faster and more informed decision-making for stakeholders.
- My focus is on utilizing advanced data engineering techniques to build solutions that drive growth and enable precision in business strategies. I take pride in my ability to deliver high-impact analytics that empower teams to unlock the full potential of data.

## Merit Capital

### Senior Data Science Engineer

February 2022 - November 2023 (1 year 10 months)

United States

#### Responsibilities:

- Developed intricate statistical models for financial forecasting and risk management.

- Designed and implemented robust machine learning algorithms for predictive analytics.
- Conducted thorough exploratory data analysis and visualization to discern nuanced trends and patterns.
- Built and maintained databases, ensuring seamless storage and manipulation of extensive financial data sets.
- Collaborated closely with cross-functional teams, actively contributing to identifying lucrative business opportunities and driving data-informed decision-making.
- Conducted comprehensive backtesting and simulation analyses, evaluating the efficacy of various investment strategies, optimizing portfolio performance.
- Developed and optimized trading algorithms for automated trading systems, enhancing efficiency in dynamic market conditions.
- Conducted in-depth research on financial markets, analyzing trends to provide critical insights for strategic investment decisions.
- Built and maintained dashboards and reports to communicate data-driven insights to stakeholders.
- Utilized cutting-edge big data technologies such as Hadoop, Spark, and NoSQL databases for managing and analyzing vast datasets.

#### Key Achievement:

Championed data-driven decision-making by devising and executing strategic risk mitigation plans

#### Collaborative Leadership:

- Facilitated cross-functional collaboration, fostering strong relationships with managers and ensuring active cooperation.
- Led complex ETL processes, integrating data from diverse sources, enhancing data accessibility and quality.
- Developed and implemented multiple portfolio optimization frameworks for Data Modeling, significantly enhancing model performance and metric outcomes.
- Collaborated with a team of three Data Scientists, conducting rigorous Model Back Testing and Rebalancing exercises, critically evaluating the success of data-driven strategies.

izifin

Data Science Engineer

October 2021 - January 2022 (4 months)

## Lagos, Nigeria

Led by a commitment to data-driven excellence, I've played a pivotal role in optimizing internal processes and driving impactful improvements within our organization. Some key highlights include:

- Identified root causes of internal processes using Fishbone diagrams and provided actionable recommendations for corrections.
- Spearheaded the construction and deployment of CI/CD pipelines and designed ETS using AWS, yielding valuable insights into KPI failures related to customer acquisitions.
- Developed Customer Segmentations, Retention Rate, and Sentiment Forecast Models, enhancing our understanding of customer behavior.
- Enhanced customer experience by consistently delivering high-quality code within tight timelines.
- Directed a team of Engineers, collaborating with company management to recommend changes based on data history and tests.
- Drove the implementation of rigorous improvements, standards, and controls to enhance processes, fostering collaboration with engineers and data teams for efficient data resource utilization in an AI contract.
- Utilized Fishbone diagrams to pinpoint root causes within internal processes and provided insightful recommendations for mitigation.
- Significantly improved customer experience by deploying various time series forecasting techniques, predicting surges in customer orders and resulting in a 10-minute reduction in average customer wait time.
- 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.

## Key Achievements:

- Contributed to business growth by implementing a production-ready recommendation engine, intelligently tailoring item recommendations to customer order history, resulting in a 7% increase in average order size.
- Maintained an exceptional 90% customer retention rate through proactive collaboration with customers, sales, and the solution architecture team.

## ROBOTICS & ARTIFICIAL INTELLIGENCE NIGERIA (RAIN)

Data Intelligence Specialist and Facilitator

May 2020 - September 2021 (1 year 5 months)

Nigeria

In my role as a facilitator and instructor in Analytics Engineering, where I apply this expertise across various business domains, I also oversee multiple Data Science projects and engage in research exploring innovative applications in Artificial Intelligence.

My hands-on involvement encompasses:

- Maintenance of dashboards and reports for internal reporting and KPI tracking, ensuring real-time data accessibility and actionable insights.
- Architecture and implementation of a cutting-edge Customer Segmentation System, utilizing AWS Cloud for streamlined deployment pipeline processes to enhance business intelligence and targeted marketing efforts.
- Execution of projects involving Data Preprocessing with Spark and Hadoop, alongside the deployment of Deep Learning Models within a Big Data environment to address complex challenges in Applied Artificial Intelligence.
- Utilization of Airflow to build ETL solutions, contributing to a notable 16% improvement in conversion rates.
- Leadership in the deployment of Deep Learning Models within a Big Data environment, harnessing the power of data to solve complex Applied Artificial Intelligence challenges.
- Conducting in-depth reviews and enhancements of data dictionaries to ensure data consistency and integrity across the domain, facilitating improved data-driven decision-making processes.

Key Achievements:

- Spearheading a successful transition from Oracle to Redshift using Amazon Athena and S3, resulting in annual cost savings and a 14% boost in system performance.
- Designing and implementing 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 for efficient data handling and analytics.
- Architecting a data pipeline framework for a new product, showcasing exceptional scalability and foresight as it rapidly expanded from ground zero to a much daily active user base.

TransRISK.AI Innovation  
Artificial Intelligence Researcher  
March 2020 - December 2020 (10 months)

## Nigeria

In my capacity as Project Lead and Data Scientist for a personal project, I orchestrated a multifaceted initiative that leveraged advanced technologies to enhance transport risk detection and address car crash prevention. The key components of this undertaking include:

- Data-Driven Modeling on the Cloud:
  - Employed cloud-based systems for comprehensive data gathering and collection, streamlining the entire process from data acquisition to modeling.
  - This approach ensured scalability and efficiency in handling extensive datasets, optimizing the workflow for seamless execution.
- Advanced Risk Detection:
  - Implemented a sophisticated model utilizing Deep Learning algorithms to detect transport-related risks.
  - This model provided real-time insights into potential hazards and vulnerabilities, contributing to a proactive approach in risk mitigation.
- Interactive Dashboards and Mobile Application:
  - Created a user-friendly dashboard interface and an Android application using ArcGIS Web and Android App APIs.
  - These tools facilitated seamless visualization and data analysis, empowering users with enhanced decision-making capabilities and significantly contributing to the mitigation of car crashes.

This comprehensive project showcased my proficiency in employing cutting-edge technologies such as Deep Learning, Computer Vision, and Cloud Systems to address critical challenges in transport risk detection and safety enhancement.

## Data Science Nigeria

Data Science Facilitator

May 2019 - July 2020 (1 year 3 months)

## Nigeria

I was able to organise Data Science tutorials and perform Project-Hack Sessions to check for Project Risk Analysis and Management Using Python and SQL Attended Conferences and Masterclass Innovative Summits for Data Science and Machine Learning.

Lurvity Inc.

## Data Science Engineer

March 2019 - April 2020 (1 year 2 months)

Lagos, Nigeria

In my role, I've maintained a high level of operational excellence and efficiency through initiatives such as:

- Reliable Data Pipeline Management:

- Achieved a 99.8% data pipeline up-time, ensuring seamless ingestion of data from 8 diverse primary sources using Spark, Redshift, S3, and Python.

- Automated ETL Processes:

- Automated ETL processes, reducing manual workload by 29% monthly across billions of data rows.

- Data Ingestion and Views Creation:

- Ingested data from disparate sources using SQL, Google Analytics API, and Salesforce API, creating data views for BI tools.

- Improved efficiency KPIs by 26% through streamlined data pipelines, communicating effectively with project managers and analysts.

- Customer Segmentation and Personalization:

- Implemented a tailored customer segmentation strategy for the fashion industry, optimizing targeting and personalization.

- Engineered a customer attrition prediction model, resulting in a 12 basis point improvement in monthly retention rates.

- Sentiment Analysis and Insights:

- Conducted sentiment analysis on customer feedback and Twitter reactions, creating a Customer Delight Index Calculation and state-level visualizations for understanding trends.

- Integrated Data for Business Intelligence:

- Integrated data from disparate sources, including SQL, Google Analytics API, and Salesforce API, using Python to support business intelligence tools like Tableau.

### Key Achievement:

- Maintained a highly reliable data pipeline up-time of 99.8%, efficiently ingesting streaming and transactional data from 8 primary sources.



- Pioneered a recommendation engine system, driving a 15-20% increase in sales revenue.
- Collaborated with cross-functional teams, optimizing service opt-ins and achieving an 18% increase in conversion rates.
- Proactively refined data pipelines, resulting in a 26% improvement in efficiency KPIs and operational excellence.

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## Education

University of Ibadan

Bachelors, Civil Engineering · (2014 - 2020)