

Ayo Emeka

[Email](#) | [Linkedin](#) | [Medium](#) | [GitHub](#) | London, England

PROFESSIONAL SUMMARY

I'm a proactive Data Engineer with more than three years of hands-on experience crafting and managing scalable data pipelines and systems. I excel in harnessing the latest technologies to efficiently extract, transform, and load data, enabling insightful analysis and visualization. Currently, I'm bringing my expertise as a Data Engineer Consultant at 10Alytics in Manchester, UK, where I'm dedicated to pioneering solutions and bringing tangible value to our clients. I'm eagerly seeking opportunities to apply my skills in data engineering to impactful projects, driving actionable insights and making a meaningful difference.

CORE COMPETENCIES

- Data Modeling
- Data warehousing
- Distributed Computing
- Diversity and Inclusion
- ETL(Extra, Transform, Load)
- Data Quality Assurance
- Cloud computing
- Resilience
- Database Management
- Version control
- Problem Solving
- Team Work
- Big Data Technology
- Data Architecture Design
- Effective Communication and Collaboration
- Co

TECHNICAL SKILLS

- Programming Languages: Python, SQL, Java
- Big Data Technologies: Apache Hadoop, Apache Spark, Apache Kafka
- Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure
- Database Management Systems: MySQL, PostgreSQL, MySQL Server
- Data Warehousing: Amazon Redshift, Google BigQuery
- ETL Tools: Apache Airflow
- Data Visualization: Power BI, EXCEL

PROFESSIONAL EXPERIENCE

Data Engineer Consultant – 10Alytics, Manchester UK
2024 – Present

Jan.

- Crafted and put into action data pipelines, slashing data processing time by 30%, thereby enhancing efficiency and facilitating quicker decision-making for our clientele.
- Spearheaded a team to successfully roll out a real-time analytics solution, leading to a noteworthy 20% surge in client satisfaction scores as per feedback surveys.
- Leveraged advanced data warehousing techniques to optimize storage usage, resulting in substantial quarterly cost savings of £10,000 for our clients.
- Implemented effective performance tuning strategies, reducing database query latency by 40%, thus boosting system responsiveness and enhancing user experience.
- Provided mentorship and training to 5 junior team members, resulting in a remarkable 50% uptick in their productivity and mastery of data engineering technologies.
- Collaborated seamlessly with cross-functional teams to deliver 10 impactful data projects punctually and within budget, earning accolades from both clients and senior management.

Data Engineer – Daewoo Engineering and construction, Nigeria

Jul. 2019 – Oct. 2022

- Spearheaded the design and implementation of data pipelines, processing over 1TB of construction data monthly, resulting in a 15% improvement in project planning accuracy.
- Developed predictive models using machine learning algorithms, reducing project timeline variances by 20% and optimizing resource allocation efficiency.
- Collaborated with project managers and stakeholders to gather requirements and deliver data-driven insights, leading to a 10% reduction in project overhead costs.
- Conducted in-depth exploratory data analysis, identifying inefficiencies, and recommending process improvements, resulting in a 25% decrease in project delays.
- Designed and deployed data visualization dashboards, effectively communicating project metrics and KPIs, resulting in improved decision-making processes and project outcomes.

Data Engineer Intern – Pro college International.

Apr. 2018 – May 2019

- Assisted in the development and testing of data pipelines for processing and analyzing educational data, specifically tailored for training IT professionals for banks and other companies.
- Conducted data quality assessments and implemented data cleansing techniques, improving data accuracy and consistency by 20% to meet the stringent requirements of financial institutions.
- Supported the integration of third-party data sources and APIs into existing data infrastructure, ensuring comprehensive data coverage for training purposes.
- Contributed to the documentation of data engineering processes, including system architecture diagrams and technical specifications, to support the training curriculum for aspiring IT professionals in the banking sector.

EDUCATION

• **Master of Science (MSc) in Computing**

The University of Northampton, England

Feb 2024

- *Specialization: Data Engineering*

Relevant Coursework: Database Systems, Big Data Technologies, Data Warehousing and Business Intelligence, Data Mining and Machine Learning, Data Visualization, Cloud Computing and Big Data Analytics, Data Engineering and Architecture, Data Quality and Governance, Distributed Systems, Software Engineering Practices

• **Bachelor of Science in Mechanical Engineering**

Rivers state university of Science and Technology

Port Harcourt, Nigeria

Sept.2018

- **Relevant Coursework:** Data Analysis and Visualization, Sensors and Instrumentation, Machine Learning and Artificial Intelligence, Finite Element Analysis (FEA), Digital Twinning and Cyber-Physical Systems, Data-Driven Decision Making in Engineering, Optimization Techniques, Computer-Aided Design (CAD) and Computer-Aided Engineering (CAE), Data Management and Database Systems, Introduction to Programming (Python, MATLAB, etc.)

CERTIFICATIONS AND TRAINING

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| • Google Business Intelligence Professional Certificate | 2023 |
| • Azure Data Developer, Pragmatic Works, USA | 2024 |
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