MUHAMMED SULAIMON

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Results-driven Data Engineer and Analyst with extensive experience designing, optimizing, and maintaining scalable data pipelines, ETL workflows, and analytical reporting solutions across diverse industries including public health, finance, and technology. Skilled in SQL, PostgreSQL, Python, Power BI, and Apache Airflow, with proven success in improving data accessibility, reducing processing time, and enhancing decision-making through high-quality data solutions. Adept at collaborating with cross-functional teams to align data initiatives with organizational strategy, ensuring accurate, reliable, and timely insights. Strong background in data modeling, governance, and performance tuning, complemented by expertise in building dashboards and conducting advanced analytics.

TECHNICAL SKILLS

- **Programming Languages: Python, SQL, JavaScript/TypeScript, Node.js**
- **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**
- **Backend Frameworks: Express.js, Prisma ORM, NestJs**
- **Containerization & DevOps: Docker, AWS ECS**

CORE COMPETENCIES

Data Pipeline Development	Data Integration	Data Visualisation
ETL (Extract, Transform, Load)	Real-Time Data Streaming	Cross-Functional Collaboration
Machine Learning Pipelines	Data Lake Management	Stakeholder Communication
Data Warehousing	Batch Processing	Agile & Scrum Methodologies
Big Data Processing	Data Ingestion	Problem-Solving & Critical Thinking

PROFESSIONAL EXPERIENCE

Data Engineer
Amdari Inc.- Ontario, Canada
June 2025 - Present

- Designed and maintained data pipelines for real-time and batch processing, ensuring seamless data integration across business applications.
- Optimized PostgreSQL databases, leading to a £10,000 quarterly reduction in cloud storage costs through efficient schema design and data partitioning.
- Developed analytical dashboards and reporting solutions, enabling faster decision-making by providing structured, high-quality datasets for analysts.
- Built and automated ETL/ELT pipelines in Python, integrating pandas for transformation and loading into cloud warehouses (BigQuery, Redshift, Azure SQL), reducing manual data prep by 50%.
- Applied data quality validation techniques including schema checks, null-value handling, and referential integrity, enhancing data accuracy and consistency across projects.
- Explored cloud-based data engineering concepts, focusing on query performance tuning, cost optimization, and scalability in BigQuery and Redshift environments.
- Automated key data workflows using Apache Airflow, eliminating manual data processing tasks and increasing operational efficiency.
- Conducted root cause analysis of data inconsistencies, improving data quality and reducing error rates in reports.
- Partnered with business and product teams to align data engineering solutions with company objectives, ensuring data-driven insights influenced strategic decisions.
- Enhanced system reliability and performance monitoring, reducing downtime and improving the efficiency of cloud-based data architectures.

Team Lead
Hugo Technologies, Chicago, Illinois (Remote)   **January 2024 – Present**

- Spearheaded workflow optimization initiatives that boosted team productivity by 60%+ within the first quarter, tracking and improving metrics such as AHT (Average Handling Time), Quality, Accuracy, Throughput, and Job Count.

- Led and coached a team of 15+ annotators, ensuring consistent achievement of daily/weekly targets through structured performance management, 1:1 coaching, and team development.
- Implemented quality assurance frameworks and correction tracking systems, improving annotation accuracy and reducing rework by 30%.
- Collaborated with senior management and project leads to refine annotation protocols, ensuring processes aligned with evolving client expectations and industry best practices.
- Conducted data-driven performance reviews using QA scores, productivity reports, and job count metrics to identify performance gaps and implement corrective actions.
- Fostered a culture of accountability by establishing clear KPIs, driving peer learning initiatives, and encouraging proactive communication during downtime (ISP/system issues).

Quality Analyst
Hugo Technologies, Chicago, Illinois (Remote)   **January 2022 – October 2023**
- Designed and launched a QA training framework that boosted team quality scores by 20% within 3 months, enabling agents to consistently exceed client standards.
- Conducted root cause analysis on recurring error trends, implementing targeted training interventions that reduced annotation errors by 25%.
- Created and maintained QA documentation, SOPs, and best practice guides, improving process efficiency by 30% and standardizing team performance.
- Partnered with team leads and management to ensure QA standards aligned with evolving client requirements, achieving 95%+ monthly QA scores.

Data Annotator
Hugo Technologies, Chicago, Illinois (Remote)   **July 2020 – December 2021**
- Delivered high-quality annotations across multimodal datasets (image, video, audio, text) for AI/ML model training, achieving 98%+ accuracy on projects with Meta Reality Labs and Google AI.
- Executed complex annotation tasks including semantic segmentation, bounding boxes, line/point annotations, and facial recognition datasets, ensuring precision for model development.
- Collaborated with engineering teams to enhance internal annotation tools (Dataloop, SRT), cutting task completion times by 15% through workflow optimization.
- Provided peer mentoring and quality checks for new annotators, reducing onboarding time and improving consistency with project-specific guidelines.

Backend Developer
Printzuri, Lagos, Nigeria   **February 2023 – March 2024**
- Boosted user engagement by implementing weighted randomisation and selection algorithms, enabling dynamic, personalised product displays on the homepage and reducing content fatigue.
- Architected backend systems with scalable, modular designs, improving maintainability and supporting growing transaction volumes of 10K+ daily requests.
- Managed complex database operations with Prisma ORM (PostgreSQL/MySQL), optimizing queries to improve data retrieval efficiency by 30%.

Backend Developer Intern
Ready Social, Lagos, Nigeria   **July 2021 – November 2022**
- Contributed to backend architecture design, ensuring scalability, modularity, and efficient data communication across system components.
- Implemented weighted randomisation and selection algorithms to personalise homepage product displays, improving user engagement and reducing repetitive content exposure.

EDUCATION

Higher National Diploma (HND) in Computing - Yaba College of Technology Feb 2024

CERTIFICATION

Data Engineering - 10Alytics 2025