

# EMEKA CHIDOKA

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## PROFILE

Results-driven Data Engineering and Analytics professional with a strong background in data analysis, software development, and cloud-based data systems. Skilled at transforming complex datasets into actionable insights using Python, SQL, and modern data pipelines. Experienced in designing and automating ETL workflows, optimizing database performance, and developing predictive analytics models to guide evidence-based decisions. Currently advancing hands-on expertise in Data Engineering at 10Alytics, focusing on scalable pipeline design, cloud integration, and real-time data automation. Known for combining analytical depth with software engineering discipline to build efficient, reliable, and insight-driven data solutions.

## TECHNICAL SKILLS

Languages: Python, SQL

Data Handling: Pandas, NumPy, Excel

Data Engineering & ETL: AWS (S3, Glue), Apache Airflow, ETL Pipeline Design & Automation

Visualization: Power BI, Tableau, Matplotlib, Seaborn

Databases: MySQL, PostgreSQL, MongoDB (NoSQL)

Machine Learning: Scikit-learn, NLP (Natural Language Processing)

Version Control: Git, GitHub, GitLab

Others: API Integration, RESTful Services, Docker (basic)

## EXPERIENCE

### Data Engineering Trainee | 10Alytics - UK

#### Sept 2025 - Present

- Design and implement scalable data pipelines using Python and SQL.
- Apply AWS-based architectures for ingestion, transformation, and storage.
- Automate data validation and quality monitoring across multiple data sources.
- Collaborate on projects combining data engineering and analytics workflows.

**Admin and Support Staff | Cygnet Healthcare Ltd - Wolverhampton, UK**

### **May 2023 – Present**

- Provide operational and administrative support within clinical teams.
- Maintain accurate digital and physical records for compliance and audits.
- Coordinate data entry and reporting to support performance tracking.
- Contribute to improved workflow and information management systems.

### **Data Analyst | 10Alytics – UK**

#### **Jan 2024 – May 2024**

- Performed data wrangling, EDA, and predictive modelling using Python and SQL.
- Designed interactive Power BI and Tableau dashboards for management insights.
- Optimized SQL queries for performance and data accuracy.
- Engaged in NLP and Computer Vision projects for business analytics.

### **Software Developer | Retortal Ltd – UK**

#### **Aug 2022 – Mar 2023 (Contract)**

- Developed and maintained e-commerce web platforms using Vue.js and PHP.
- Re-architected applications on AWS Cloud for improved scalability.
- Conducted root-cause analysis and system optimization in production environments.

### **Data Analyst & Database Administrator | Noaj Empire – Nigeria**

#### **Sept 2019 – Oct 2020**

- Cleaned, validated, and processed raw datasets to ensure data integrity.
- Maintained and optimized SQL databases for reporting and analytics.
- Produced actionable business insights through data visualization and reporting.

### **Graduate Developer | Softbase Ltd – Nigeria**

#### **Nov 2017 – Oct 2018**

- Built responsive web interfaces using HTML, CSS, and JavaScript.
- Integrated backend services and managed database connections.
- Contributed to the company's transition from Waterfall to Agile development methods.

## **EDUCATION**

**MSc Computer Science** – University of Wolverhampton, UK (Oct 2020 – Nov 2021): **Merit**  
**Postgraduate Diploma in Innovative Technology Engineering** – Waterford Institute of Technology, Ireland (Sep 2018 – Oct 2019): **Second Class Upper**

**BSc Information System Science** – Regent University College of Science and Technology, Ghana (Jan 2011 – Jun 2015): **Second Class Upper**

### **PROJECT HIGHLIGHTS**

- Tourism Trends Forecasting: Applied unsupervised ML to cluster and predict travel patterns.
- Customer Segmentation: Used K-Means clustering to enhance marketing targeting.
- Hospital Readmission Prediction: Built ML model to anticipate patient readmissions.
- E-Commerce Analytics: Developed Excel and Tableau dashboards for sales KPIs.

### **ACHIEVEMENTS**

- Streamlined data pipelines improving efficiency and reliability of analytics output.
- Built automated forecasting models to support data-driven decision-making.
- Delivered clear visual insights enabling stakeholders to act on analytical findings.

### **INTERESTS**

Continuous learning in Big Data architecture, ETL automation, Machine Learning, and Cloud Analytics. Active participation in data communities and collaborative open-source projects.