

EMEKA NWEKE EDEH

Data Engineer · AWS · Databricks · dbt · Kafka · Terraform

Berlin, Germany

nweke.edeh@gmail.com

+49 176 88426042

[linkedin.com/in/edeh](https://www.linkedin.com/in/edeh)

PROFESSIONAL SUMMARY

Data Engineer with 4+ years building production-grade data platforms across AWS and GCP, processing millions of records daily in real-time and batch pipelines. Specialises in medallion lakehouse architecture, ELT with dbt, Databricks, streaming with Kafka and Kinesis, and full infrastructure-as-code delivery using Terraform and GitHub Actions CI/CD. Domain experience spans IoT telemetry, e-commerce, healthcare, real estate, and fraud detection. Legally permitted to work in the EU with no sponsorship required.

PORTFOLIO

github.com/ChuquEmeka | AWS medallion lakehouse, Databricks pipelines, Terraform modules, dbt and Airflow
[youtube.com/@Data Pipeline Lab](https://youtube.com/@DataPipelineLab) | Technical walkthroughs of production-grade data platform builds

CORE SKILLS

Cloud & Infrastructure	AWS (S3, Glue, Athena, Kinesis, DMS, Redshift Serverless, IAM, KMS, CloudWatch) GCP Terraform IaC
Data Engineering	dbt PySpark Kafka Confluent Cloud Airflow / MWAA Databricks Snowflake BigQuery Redshift
Streaming & CDC	Kafka AWS Kinesis DMS CDC real-time ingestion event replay & auditability
DevOps & DataOps	GitHub Actions CI/CD Docker OIDC Unity Catalog data quality testing & quarantine tables
Programming	Python SQL R
BI & Analytics	Power BI Tableau Looker QuickSight

PROFESSIONAL EXPERIENCE

Independent Data & Platform Engineer

2025 – Present

Consulting Practice | Berlin, Germany

- ▶ Architected a production-grade AWS medallion lakehouse (e-commerce domain): PostgreSQL via DMS CDC into Bronze/Silver/Gold S3 layers, Glue PySpark transformations, dbt on Athena, and Redshift Serverless with Spectrum serving layer; fully orchestrated by MWAA and provisioned as modular Terraform across Dev, Staging, and Prod with GitHub Actions CI/CD.
- ▶ Engineered high-throughput Kafka pipelines on Confluent Cloud streaming enriched elevator sensor events into Snowflake; raw data archived to S3 for replay and auditability.
- ▶ Delivered batch and incremental ELT pipelines using dbt across Snowflake, BigQuery, and Redshift for real estate, healthcare, and fraud detection use cases.
- ▶ Orchestrated multi-step data workflows in Apache Airflow, coordinating ingestion, transformation, data quality testing, and downstream analytics delivery.
- ▶ Built domain-specific dashboards in Power BI and Tableau, translating pipeline outputs into actionable business insights.

Data Engineer

2022 – 2024

Digital Spine GmbH | Berlin, Germany

- ▶ Built a real-time IoT data platform using Databricks Asset Bundles and Amazon Kinesis, processing 1M+ elevator telemetry records daily with sub-minute latency.

- ▶ Established GitHub Actions CI/CD pipelines for Databricks and dbt, ensuring consistent and reproducible deployments across all environments.
- ▶ Enforced data quality using PySpark and dbt: unit tests, integration tests, and quarantine tables to isolate invalid records before production ingestion.
- ▶ Built Power BI dashboards tracking elevator health metrics, downtime patterns, and predictive maintenance indicators for operational decision-making.
- ▶ Communicated pipeline findings and technical outcomes clearly to engineering, operations, and business stakeholders.

Data Specialist

2020 – 2022

Potters Real Estate Limited | Nigeria

- ▶ Built ELT workflows using dbt and AWS (S3 and Redshift) to centralise and standardise real estate data, replacing manual processes with reliable automated pipelines.
- ▶ Analysed platform and marketing data to surface property demand trends, informing acquisition and marketing strategy.
- ▶ Deployed Power BI dashboards contributing to a 20% increase in lead generation.

CERTIFICATIONS

- ▶ Advanced Data Engineering with Databricks
- ▶ Apache Spark SQL for Data Analysts | Databricks
- ▶ Business Value with Data and Looker Specialization | Google
- ▶ Diploma in Data Engineering

EDUCATION & LANGUAGES

B.Sc. Real Estate | Enugu State University of Science and Technology, Nigeria

English Native / Full professional proficiency

German B1 Intermediate (actively developing)