AYOKUNLE SAMUEL ADENIGBA

Data Analytics Engineer • Power Platform Functional Consultant

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PROFILE

Impact-driven data analytics professional and Microsoft Power Platform consultant with 7+ years delivering end-to-end data solutions, KPI dashboards, and low-code apps across global teams. Built business process application and centralized ETL pipelines that cut data acquisition and analytics time by ~50% and enable faster decision-making. Domain knowledge in renewable energy projects (multi-MW utility, mini-Grid & behind-the-meter solar PV & battery systems) and experience in an engineering consultancy team. Skilled in stakeholder communications. Currently available for project based, contract or freelancing roles.

CORE SKILLS & TOOLS

- ETL Pipelines & Orchestration: Python, Azure Data Factory, Logic Apps, Apache Airflow, Power Automate, data build tool.
- Data Modeling & Warehousing: Relational, Document Model, Microsoft Dataverse model driven app, ADLS, SQL Server, PostgreSQL, Snowflake, Fabric Lakehouse.
- Analytics & Visualization: Azure Databricks, Python for Advanced Analytics and ML workflows, real-time analytics, Python modules for visualization, Power BI (DAX, Power Query), paginated reports.
- Low code Apps Development: Power Apps (model- & canvas-driven apps)
- CICD Automation & Data Governance: ALM, Azure DevOps, Git, GitHub, dbt tests, Workspace design, dataset lifecycle, RLS, documentation & training.
- Machine Learning & Feature Engineering: Forecasting, Classification and Regression models.

EXPERIENCE

Data Analytics Engineer — ib vogt GmbH | Berlin, Germany | Jul 2022 – May 2025

- Designed and Implemented data models, Python- and Azure-orchestrated pipelines for over 15 utility scale solar PV projects. Integrating sensors data and as-built solar SCADA systems. Implemented data integrity validations, anomaly detection, performance assessments, accelerated analytics, Machine learning production prediction and root cause analysis. Authored

documentation, cloud-hosted repository via GitHub, collaboration, CICD and ALM processes in Azure DevOps.

- Implemented power apps solution, pipeline, and centralized data hub for meteorological and engineering data analytics. Provided engineers with reliable, on-demand datasets reduced data collection and validation time by ~50%. Enhanced simulation accuracy and project turnaround. (Power Apps + Dataverse + SQL Server + Power Automate + Power BI)
- Built a Technical Complexity Index (TCI) model and portfolio dashboard in Power BI to de-risk pipeline planning and optimize resource allocation across multi-GW solar projects. (Excel + SharePoint + power Query +Power BI)
- Orchestrated Fabric Pipelines for weather data integration and analysis.
- Developed training and adoption programs for international engineering teams; Partnered with contract and project managers to align analytics with EPC/O&M KPI definitions, and external clients during project commissioning milestone.

Data Analyst — ib vogt GmbH | Berlin, Germany | Sep 2020 – Jun 2022

- Statistical analysis for optimization of string distribution across MPPT input channel of Huawei string inverters at different overload ratios to examine and characterize inverters' conversation efficiency and temperature.
- Analysis and quantification of extra losses not accounted for in PVsyst hourly simulation timeseries with high overload ratio.
- Analysis of losses from high-tension overhead lines, in comparison to loss figures in PVsystt
- East-west design impacts ambient and module temperature.
- Realistic On-site Bifacial gains analysis.
- Soiling loss and cleaning frequency gain for site at various geographical locations

Solar (PV) Modeling & Technical Sales Engineer — Nexgen Energy | Dec 2016 - Aug 2019

- Modeled and designed PV + battery systems for residential and commercial clients. Site assessment visits and project documentation during technical sales process, project development, and execution.
- Developed technical proposals for Solar PV projects to secured grant and impact investment from the United States African Development Foundation for Off-Grid solar.
- Tripled conversion rate and increased sales by standardizing solutions offerings across customer clusters. Over 300 customer and client engagements, communicating expected system energy production (yield) and product delivery.
- Managed distributors and resellers onboarding process, communication and issue resolutions.
- Analysis of $LiFePO_4$ & VRLA Batteries in relation to throughput & cycle counting, RTE, SoC/SoH. Standardized the maintenance procedure, warranty tracking and maintenance window to drive down operations cost and increase customer satisfaction

OTHER EXPERIENCES

Intern Analyst — Hash Analytics | Mar 2020 – Jun 2020

- Analysis HR datasets with mySQL & Tableau to classify and predict employee attrition, recommending retention plans.

Volunteer Process & Database Developer — WCI Berlin | Mar 2022 – Mar 2025

- Designed and implemented a multilingual text processing tool in Python to analyze, and pair original texts with their corresponding translations, serving as input for weekly presentations tailored to a multilingual audience.
- Automated member onboarding and engagement with Power Automate; centralized records and reporting with SharePoint, Forms.

EDUCATION

Technical University Berlin — MSc., Global Production Engineering
Covenant University — B.Eng., Electrical & Electronics Engineering

PROFESSIONAL CERTIFICATION AND QUALIFICATIONS
Microsoft — Certified Power Platform Consultant
Microsoft — Fabric Analytics Engineer
Datacamp — Data Engineer
Udemy — Business Intelligence Analyst;
Technical University — Digitalization of Intelligent & Integrated Energy Systems
Engineering Institute of Technology — Big Data Analytics in Electricity Grid (EIT);
Renewable Academy — Solar PV Professional
FSR European University Institute — European Electricity Market and Power Sector Regulation

LANGUAGES

English (Native); German (B2); Yoruba