EDUN JOSHUA

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SKILLS AND INTERESTS

Software and Tools - Programming languages (**Python, R, JavaScript**), BI & Data Analytics (**SQL, Excel, Power BI, Tableau**), Statistical data analysis (**SPSS, R**), Python libraries and frameworks (**Pandas, Scikit-learn , FastAPI, Flask, Django**), Database management (**PostgreSQL, MySQL**), Analytics engineering & Data modelling (**dbt**), Orchestration (**Airflow**), Developer Collaboration (**Git**), Geodata (**QGIS**), Cloud Engineering (**GCP**)

Certifications and Professional Body Memberships - NNPC/Chevron 2018 Scholar; Project Management Professional (Sea-Seal Concepts, 2018); ALX-T Data Analytics (Udacity, 2022); The Room Talent (ALX, 2022); Google Africa Developer Training Programme (Google, 2023); IoT Fundamentals: Big Data & Analytics (Cisco, 2023)

Portfolio - https://joshuaolubori.github.io/portfolio-react1

WORK EXPERIENCE

Freelancer   *May 2023 - Present*

- Designing financial dashboards, research data analysis, database design and management, webscraping and web development.
- Engaging with an international clientele of researchers, developers and business intelligence professionals to address their data-related needs.

Africa Trainovation Consulting - *Data Analytics Instructor* - Abeokuta, Ogun   *May 2023 - Sept 2023*

- Instructed students in effectively using Excel functions, formulas, and data visualization techniques.
- Conducted interactive workshops and hands-on exercises to enhance practical skills in SQL querying and database management.
- Guided students in leveraging Power BI for data visualization, dashboard creation, and report generation.

Chief Cornerstone High School - *Assitant Database Administrator*; Abeokuta, Ogun   *July 2022 - Nov 2022*

- Facilitated the implementation of software solutions in order to support the school's transition towards a data-driven enterprise; collected data on over 600 students and designed a 15 table database to hold the information in an organized manner for accuracy and completeness of information
- Developed a Flask application with authentication, enabling users to register new students and staff
- Designed to reduce time and resources required for registration processes, improving operational efficiency

National Centre for Agricultural Mechanization - *Engineering Intern;* Ilorin, Kwara   *May 2021 - October 2021*

- Worked in a federal government parastatal in the SIWES Industrial Training programme as per requirements of the Nigerian Society of Engineers.
- Employed AutoCAD software to design food processing machines and structural components of factory installations.
- Collected and analyzed data generated from machine tests in order to improve and iterate upon product design and performance.

NOTABLE PROJECTS

Interactive Dashboard: Visualising COVID-19 impact in Nigeria

- Designed an interactive Tableau dashboard visualizing key metrics (confirmed cases, infection rate, fatality rate) of the COVID-19 pandemic in Nigeria, reaching hundreds of users online and providing valuable insights on the pandemic.
- Utilized Python's pandas library for data cleaning and analysis: Addressed data quality issues like inconsistent date formats and French column headers.
- Insights: Identified high caseloads in Lagos, Abuja, and Rivers due to factors like population density and port access.

[Data pipeline: Analysing football league data with modern data tools](#)

- Developed an automated data pipeline using Airflow, enabling daily loading and analysis of over 1000 football fixtures from an API. The Streamlit frontend empowered a client with interactive data exploration.
- Utilized MinIO for scalable object storage and DuckDB for efficient in-memory data manipulation.

[UK Road Accidents and Casualties Tracking Dashboard (2021 - 2022)](#)

- Developed an interactive dashboard in Power BI to analyze UK road accident trends across 2021 and 2022, and deployed on Power BI Service
- Cleaned and modeled government-provided data to track KPIs like total accidents, casualties, and YoY comparisons.
- Enabled geospatial analysis of casualties by area/location and day/night, providing insights into accident patterns.

CERTIFICATIONS AND COURSES

[Google Africa Developer Scholarship](#) - *Cloud Engineering, Google*   *June 2022 - March 2023*

- One of 3% of developers onboarded that made it to the certification phase.
- Architected cloud infrastructures on Google Cloud Platform (GCP).
- Created and queried cloud data storage solutions, specifically using Google BigQuery as a data warehouse as opposed to on-prem data centres

[Global Environmental Management](#) - *Technical University of Denmark (DTU)*   *July 2019 - Dec 2019*

- Completed MOOC with a 95% score
- Learned resource efficiency, waste management strategies, social sustainability analysis with case studies in Greenland, Denmark and China

[ALX-T Data Analytics](#) - *Udacity - ALX*   *July 2022 - Oct 2022*

- Graduated top of cohort, subsequently earning The Room fellowship
- Used Python to analyze real world data, including gun sales trend in the United States
- Wrote and deployed code that passed multiple code reviews by seasoned Python developers

EDUCATION

Federal University of Agriculture, Abeokuta   *March 2017 - February 2023*

[College of Engineering -](#) *Department of Agricultural and Bioresources Engineering*
GPA: 4.58/5.00 , *First Class Honours, 2018 NNPC/Chevron Scholar*
Concentrations: Environmental Engineering
Extracurriculars: Member, Electoral Commitee of the Agricultural & Bioresources Student Association (2018 - 2019);
Chairman, Electoral Commitee of the Agricultural & Bioresources Student Association (2021);
Design Team (Office of the Social Secretary), FUNAAB Student Union.
Thesis: Determination of the Best Infiltration Rate Models of FUNAAB Soil at CEADEASE Farm