# Uchechukwu Cos-Ibe

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## PROFESSIONAL EXPERIENCE

**Imbod**, Cloud Engineer, May 2022 – Present                                                                          **Lagos, Nigeria**

- Automated the deployment of cloud infrastructure using Terraform to provision VMs, storage buckets, networking components, and managed services such as Cloud SQL.
- Created infrastructure as code templates for easy reproduction and version control, reducing deployment time by 70% and increasing infrastructure reliability by 50%.
- Developed and maintained CI/CD pipelines for deploying the frontend of the company's e-commerce web application on Cloud Run using GitHub, Container Registry, and Cloud Build.
- Configured the pipelines to automatically trigger tests, build, and deploy the frontend code to production when changes are made to the code repository, resulting in a 30% reduction in deployment errors.
- Built scalable and fault-tolerant systems on Google Cloud Platform using technologies such as Compute Engine, Cloud Storage, and Cloud SQL, resulting in a 40% increase in system performance during high traffic periods.
- Implemented security best practices to ensure data confidentiality, integrity, and availability on GCP. Configured VPCs, firewalls, and IAM policies to limit access to resources and data, resulting in zero data breaches or incidents.

**First Bank Nigeria**, Data Analyst Intern, January 2022 – May 2022                                        **Lagos, Nigeria**

- Wrote and executed SQL queries to retrieve and filter large datasets from a database of over 100,000 records, reducing query response times by 30%.
- Leveraged statistical methods, Tableau and Python code to clean and interpret data, analyze results, and produce comprehensive reports with visualizations and dashboards, resulting in a 25% improvement in data visibility and decision-making processes.
- Collaborated with cross-functional teams to identify business needs, design data-driven projects, and provide data-driven insights that helped drive product development and business strategy.

**The Sparks Foundation,** Data Science intern, August 2021 – January 2022                        **Remote, Singapore**

- Wrote and executed SQL queries to retrieve and filter large datasets from a database of over 100,000 records, reducing query response times by 30%.
- Leveraged statistical methods, Tableau and Python code to clean and interpret data, analyze results, and produce comprehensive reports with visualizations and dashboards, resulting in a 25% improvement in data visibility and decision-making processes.
- Collaborated with cross-functional teams to identify business needs, design data-driven projects, and provide data-driven insights that helped drive product development and business strategy.

## EDUCATION

**Federal University of Technology Owerri,** September 2016 – May 2021                                        **Imo, Nigeria**

Bachelor of Technology in Computer Science

## SKIL

**Programing**: Proficient in Python for web scraping, data manipulation and visualization using Pandas and Seaborn libraries; SQL database design and management in CloudSQL, PostgreSQL, MySQL, and BigQuery.

**Cloud:** Experienced in Google Cloud Platform (GCP), Amazon Web Services (AWS), and Microsoft Azure for cloud infrastructure, deployment, and management.

**Automation & Containerization**: Skilled in automation and containerization technologies including Docker, Apache Airflow, Prefect, and Kubernetes for improved efficiency and scalability of data pipelines.

## PROJECTS

**Inquiry Chatbot,** January 2022

• Designed and developed an inquiry Chatbot for new and prospective students at The Federal University of Technology Owerri to answer question regarding admission process, directions to the school and general knowledge of the school. [Click Here](#) to interact with the Chatbot.

**Sentiment Analysis Using Twitter Data**

• Scrapped Twitter Data using Python and Tweepy, analyzed it to understand tweeting pattern and created visualizations with the data. [Link to Project](#)

## CERTIFICATES

• **Google Cloud Certified Professional Data Engineer** | [Verify Here](#)
• **Google Cloud Certified Associate Cloud Engineer** | [Verify Here](#)