

# STEFAN AMEYAW MILLS

## DATA ANALYST

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Data Portfolio: <https://stefanmills.github.io/stefanmills.portfolio.github.io/>

### PROFESSIONAL SUMMARY

Experienced data specialist and product manager with over 5 years of experience in the humanitarian sector and with major Mobile Network Operators (MNOs) across Sub-Saharan Africa. Proven expertise in analysing humanitarian beneficiary data and extensive network datasets, I excel in crafting impactful technical proposals and delivering innovative solutions for MNOs, large-scale enterprises, and service providers. Proficient in Python, SQL, Power BI, Tableau, and machine learning algorithms, I am passionate about cleaning and analysing large datasets to uncover meaningful patterns, trends, and opportunities.

### SKILLS

#### AREAS OF EXPERTISE

- Data Collection
- ETL Pipeline Design
- Survey Design
- Exploratory Data Analysis
- Data Cleaning & Pre-processing
- Report Writing

#### TECH STACK

**Programming Languages:** Python || R || SQL || Flutter || Dart

**Visualization Tools:** Spreadsheet || Power BI || Tableau

**Skills:** Advance Excel || PowerPoint || SharePoint || Open Data Kit (ODK)

#### SOFT SKILLS

- Communication, Strategic Thinking, Problem Solving, Teamwork, Presentation

### PROFESSIONAL EXPERIENCE

#### Data Analyst (Research, Assessment, Monitoring & Evaluation)

##### United Nations - World Food Programme, Ghana

*Apr. 2024-Present*

- Conducted data cleaning and exploratory data analysis (EDA) to identify trends, patterns and insights using Python, SQL and Excel.
- Architected and implemented data pipelines that automated data extraction, transformation, and loading (ETL) processes, reducing manual workload by 60% and enhancing data reliability.
- Conducted forensic data analysis using Python, identifying fraudulent activities, and preventing over USD 1 million in donor losses, enhancing organizational trust and transparency.
- Created interactive dashboards and reports using Power BI for stakeholders to support decision making process.
- Developed efficient survey tools using Open Data Kit (ODK) to streamline data collection and enhance data quality.

#### Product Manager

##### Huawei Technologies Limited

*Jan. 2023-Nov. 2023*

- Led the design and implementation of energy-saving solutions (rectifier cabinets and solar) for telecom sites, resulting in a \$74k boost in company revenue.
  - Led a cross-functional team to design and implement innovative network solutions, resulting in a 30% increase in market share within 6 months.
  - Forged strategic partnerships with RAN technology and site energy vendors, resulting in a 25% increase in product/service offerings and driving \$800k in new business opportunities.
  - Collaborated with stakeholders to develop and implement pioneering RAN network and site energy solutions, achieving a 20% increase in revenue targets.
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## **Data Analyst**

### **Postszn**

***Jun. 2022-Aug. 2022***

- Employed web scrapping techniques to analyse and extract NFL highlights data from YouTube which delivered valuable insights for content optimization, bringing about a 25% boost in viewer engagements.
  - Developed interactive dashboards to monitor and analyse key performance indicators (KPIs) for the mobile application, enhancing data-driven decision-making and performance tracking.
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## **Associate Product Manager**

### **Huawei Technologies Limited**

***Dec. 2021-Jan. 2023***

- Collaborated with Senior Product Manager to execute RAN product strategies, enhancing performance and capacity and contributing to a profit boost exceeding USD 10 million for the company.
  - Conducted competitive data analysis in the RAN industry to provide valuable insights on competitor positioning for successful product differentiation and pricing strategies, resulting in a 10% increase in market share.
  - Performed market research to identify customer pain points and analyse market trends, leading to informed product development and strategies, spurring a 20% surge in customer satisfaction.
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## **Lead Engineer, Wireless RAN**

### **Huawei Technologies Limited**

***Feb 2021- Dec 2021***

- Managed and optimized the RAN network infrastructure for Vodafone Ghana, resulting in a 30% improvement in network reliability, enhancing overall customer satisfaction and retention.
  - Analysed network performance data, troubleshoot issues, and implemented appropriate measures, resulting in a 95% decrease in network downtime for enhanced customer experience.
  - Provided exceptional technical support to field engineers and customers on RAN-related issues, resulting in a 95% customer satisfaction rate based on support ticket resolution metrics.
  - Trained and mentored 4 new engineers on RAN network architecture and product, resulting in a 30% improvement in their technical proficiency and successful on-time project delivery.
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## **Support Engineer, Wireless RAN**

### **Huawei Technologies Limited**

***Sep 2019-Feb 2021***

- Conducted network diagnosis and promptly resolved RAN equipment and infrastructure-related issues, realizing a 95% reduction in network downtime, as verified through performance logs and customer feedback.
- Regulated RAN equipment and infrastructure performance, ensuring seamless operations within defined parameters, and maintaining a 99% adherence to performance benchmarks.
- Developed and implemented automated commissioning script creation to improve workplace and employee efficiency by 95%

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## EDUCATION & CERTIFICATIONS

**Data Analytics Fellowship (P.J. McGovern Fellowship II)**

**Blossom Academy**

***Jan 2024 – Mar 2024***

**Google Data Analytics Professional Certification**

**Coursera**

***December 2023***

**Computer Science (Bachelors)**

**Kwame Nkrumah University of Science & Technology**

***Oct 2015 - June 2019***

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## PROJECTS

### **Farmer Support Activity (FSA) Phase 2.0**

- A USAID funded project implemented by World Food Programme (WFP) Ghana which sought to support smallholder farmers, build their resilience and improve their agricultural productivity despite challenges posed by rising input costs. By providing cash transfers and capacity building activities, the FSA aimed to enhance the skill and overall well-being of farmers

### **Africell Sierra Leone & Huawei Ghana 5G (NR) POC (2023)**

- A Proof of Concept (POC) project for 5G technology, focused on 10 strategically selected high-value areas. The objective was to showcase the transformative capabilities of 5G by deploying and evaluating the technology using the 2600MHz spectrum. The project aimed to offer improved speed, capacity, and seamless connectivity, empowering businesses and individuals with cutting-edge telecommunications capabilities in Sierra Leone.

### **Africell Sierra Leone & Huawei Ghana 4G LTE Expansion Project (2021-2022)**

- The project involved upgrading the existing 4G LTE network to tackle the challenges of network congestion, sluggish internet speeds, and unreliable connectivity. The current network had been experiencing significant congestion, leading to dissatisfied users and hampering the overall user experience.

### **MTN Ghana & Huawei Ghana Radio Access Network (RAN) Modernization Project (2021)**

- A nationwide project focused on deploying various technologies, including 2G, 3G, and 4G, on technology-neutral frequency spectrums such as 800, 900, 1800, 2100, and 2600 MHz. The primary objective was to upgrade over 800 Radio Access Network (RAN) sites to make them 5G ready.

### **Vodafone (Telecel) Ghana & Huawei Ghana 4G Rollout Project (2020-2021)**

- With a scope of 320 RAN sites and utilizing the 800MHz spectrum, the project focused on upgrading infrastructure and optimizing the network. The successful implementation led to nationwide 4G coverage, improved network experience, digital inclusion, and contributed to business and economic growth in Ghana.

### **AirtelTigo Ghana Radio Access Network (RAN) Swap Project (2019)**

- A project focused on the capital of Ghana, Accra, which involved upgrading 482 RAN sites. The project replaced Ericsson RAN equipment with Huawei RAN equipment. The implementation led to improved 2G and 3G network performance, expanded capacity, enhanced customer experience, and demonstrated AirtelTigo's commitment to adopting advanced telecommunications technologies.