

Abu Junior Vandi

Computer Science & Data Analytics Professional

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Portfolio Website: abujrvandi.github.io/Portfolio/

Sierra Leonean | Available for Opportunities

Professional Summary

Detail-oriented Computer Science & Data Analytics Professional with strong expertise in Monitoring, Evaluation, Accountability, and Learning (MEAL), digital data systems, and program quality management. Experienced in working with international NGOs, government agencies, and donor-funded projects across public health, humanitarian response, and governance sectors. Skilled in field data collection, statistical analysis, training, and supervision of teams, ensuring high-quality program delivery and reporting. Adept at using digital tools (ODK, SPSS, Power BI, MySQL, Excel) for evidence-based decision-making and program improvement. Fluent in English and Krio, with a proven record of capacity building and technical leadership in complex field environments.

Core Competencies

- Monitoring & Evaluation (M&E) systems design and implementation
- Quantitative & qualitative data collection and analysis (SPSS, R, Excel)
- Digital Data Gathering (ODK, Android applications, CRM tools)
- Database management, data validation, and quality assurance
- Report writing (narratives, charts, tables, TORs, assessments)
- Capacity building, training, and team supervision
- Cross-sector collaboration with government and partner agencies
- ICT systems support, integration, and digital transformation

Education & Certification

- **Master of Science (MSc) in Computer Science**
Njala University – 2024–2025 (A Waiting Final Results)
Focused on advanced computing, database, data system, and applied research in modern ICT environments.
- **Bachelor of Science (BSc) in Mathematics & Statistics**
Fourah Bay College, University of Sierra Leone – 2019–2022
Specialized in statistical modeling, mathematical analysis, and quantitative research methodologies; built a strong foundation for data-driven problem-solving and systems design.

- **Professional Certification in Cybersecurity & Digital Marketing**

Sierra Leone ICT Talent Development Program — 2024

Comprehensive training on secure system practices, threat detection, digital communication tools, and ICT innovation strategies under the Huawei-Orange initiative.

Professional Experience

Assistant IT - *(Intern)*

Apex Bank — May 2024 to March 2025 | Kenema.

- Assist in maintaining and upgrading servers, network systems, and banking applications.
- Monitor system performance, ensuring high availability and reliability of IT services.
- Troubleshoot hardware, software, and network issues promptly
- Support the planning and execution of IT projects (e.g., software upgrades, system migration, new technology implementation)
- Track project progress, timelines, and deliverables
- Coordinate with vendors and third-party service providers
- Assist in supervising IT staff, including system administrators, support technicians, and developers
- Provide guidance and training to junior IT staff
- Allocate tasks and monitor performance
- Implement IT security policies and procedures to protect sensitive banking data
- Assist in conducting internal audits and ensuring compliance with banking regulations.
- Provide technical support to bank staff for software, hardware, and network issues.
- Prepare reports on IT performance, incidents, and project progress for senior management.

Assistant ICT4D – IT Operations Support - *(ITN Mass Campaigns)*

Catholic Relief Services (CRS) — January to March 2024 | Kenema.

- Served as the key IT liaison for nationwide mobile data collection initiatives, supporting over 50 field agents and health outreach personnel using Android-based platforms.
- Diagnosed and resolved synchronization issues with digital data tools, achieving 95%+ data reliability during live collection periods.
- Played a lead role in ICT procurement, software deployment, and version control updates in coordination with the HQ IT team.
- Monitored system health metrics, implemented preventive maintenance schedules, and generated technical performance reports for decision-making by CRS management.
- Assisted in the integration of mobile health systems with donor platforms, improving reporting accuracy and response times

Polling Centre Manager – IT & System Oversight

Electoral Commission Sierra Leone (ECSL) – June 2023 | Kailahun

- Led IT operations across 5 critical polling stations during the 2023 electoral process, overseeing setup, configuration, and supervision of voter verification devices and reporting systems.
- Ensured secure handling and real-time digital transmission of biometric voter data to ECSL's central servers with zero data loss or corruption.
- Coordinated staff and system readiness, resolving technical disruptions on-site and ensuring compliance with national electoral cybersecurity protocols.
- Contributed to post-election ICT audits and reporting, validating the operational integrity of deployed digital infrastructure.

Assistant Data Analyst / Statistician - (Voluntary)

Statistics Sierra Leone – May 2022 to October 2023 | Kailahun

- Collect, clean, and organize data from various sources.
- Analyze quantitative and qualitative data using statistical methods.
- Design surveys, experiments, and data collection processes.
- Develop statistical models to identify trends, patterns, and relationships.
- Interpret and summarize results in reports, charts, and presentations.
- Advise management or clients on data-driven decisions.
- Ensure data accuracy, integrity, and confidentiality.
- Collaborate with other departments, researchers, or stakeholders on projects.
- Stay updated on statistical techniques, software, and best practices.
- Provide training or guidance on data analysis and interpretation.
- Prepare documentation of methodologies, processes, and findings.
- Monitor and evaluate programs or interventions using statistical tools.

Census Supervisor – Data & Systems Monitoring

Statistics Sierra Leone (SSL) – December 2021 | Freetown

- Supervised a digital enumeration team covering 5,000+ households, leveraging Open Data Kit (ODK) and GPS-enabled tablets to ensure structured and real-time data capture.
- Led field team training on enumeration protocols and digital tool usage, ensuring full compliance with SSL digital standards.
- Maintained 98% data integrity, through rigorous quality checks, system diagnostics, and day-end data validation routines.
- Liaised with central command to relay data anomalies and initiated corrective feedback loops for fast issue resolution.
- Produced and submitted daily data quality reports, supporting real-time decision-making at regional command centers.

Technical Skills

1. **Data & Analytics:** SPSS, R, MySQL, Microsoft Excel, Power BI
2. **Programming & Development:** Python, Java, SQL, HTML, CSS, JavaScript
3. **Digital Data Collection:** ODK, Android applications, CRM tools
4. **Systems & Infrastructure:** Network troubleshooting, Linux/Windows server administration, cloud platforms (AWS, Azure)
5. **Reporting & Visualization:** Data validation, dashboard creation, charts, and tables for M&E reporting

Languages

- English – Fluent
- Krio – Fluent

References

1. **Mr. Abdul Karim Sawaneh**
Statistician | Statistics Sierra Leone, Kailahun.
Email: abdulkarimsawaneh39@yahoo.com | Tel: +232 78547554
Former Supervisor (Assistant Data Analyst / Statistician, SSL)
2. **Mr. Alimamy A. Conteh**
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Former Line Manager (Assistant IT, Apex Bank)
3. **Dr. Babah Turay**
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Academic Supervisor & Mentor (MSc Computer Science, Njala University)

