

WANANGWA ERNEST CHIZIWA

ICT & Data Systems Specialist | Monitoring, Evaluation & Digital Innovation

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PROFESSIONAL SUMMARY

ICT and data systems specialist with over 10 years of experience across government, international development, and World Bank financed programs in Malawi and the SADC region. Currently serves as Malawi's national ICT focal point to the SADC Regional Early Warning Centre, coordinating cross-border disaster risk and climate data sharing. Combines strong expertise in data analysis, monitoring and evaluation, and digital systems with hands-on delivery in education, agriculture, climate resilience, and public health. Skilled at turning complex datasets into decision-ready insight for senior government and multilateral stakeholders.

CORE COMPETENCIES

- Data Analysis & Visualization (STATA, R, SPSS, SQL)
- Monitoring, Evaluation & Impact Assessment
- ICT Systems & Infrastructure Management
- Early Warning, Climate & Disaster Data Systems
- Database Design & Data Quality Assurance
- Regional & Multilateral Coordination (SADC, World Bank)
- Digital Innovation & Design Thinking
- Geospatial & Drone Data (GIS, ODK, DHIS2)
- Stakeholder Engagement & Technical Reporting
- Project, People & Operations Management

PROFESSIONAL EXPERIENCE

Office of the President and Cabinet (OPC)

Malawi

ICT Specialist

August 2024 – Present

- Serve as Malawi's designated ICT focal point to the SADC Regional Early Warning Centre, coordinating cross-border disaster risk and climate data sharing.
- Manage and maintain government ICT infrastructure and national information systems at the OPC.
- Develop and maintain databases that track national early warning indicators across food security, floods, and drought.
- Prepare technical reports and situation briefs for submission to the SADC Secretariat in Gaborone, Botswana.
- Coordinate with the Department of Disaster Management Affairs (DoDMA) and the Ministry of Agriculture on integrated data pipelines.
- Represent Malawi at SADC regional ICT and early warning technical committee meetings, and provide ICT support for high-level inter-ministerial coordination.

Green Innovation Network (GIN)

Malawi

Co-Founder & Director of Business, Technology and Innovation

2023 – Present

- **Agri-Energy & Climate Solutions:** Oversee the design and delivery of agri-energy and climate resilience programs targeting smallholder farming communities across rural Malawi.
- **Technology & Innovation Strategy:** Direct technology strategy, digital platform development, and data systems supporting agricultural and environmental programs, including field survey analytics and stakeholder reporting.
- **Business Development:** Cultivate strategic partnerships, lead fundraising, and develop business models to scale reach and impact across the agri-energy and clean energy sectors.

School of Education, University of Malawi / Malawi Institute of Education

Malawi

Data Analyst, Malawi Education Reform Program (World Bank)

Nov 2022 – July 2024

- Conduct in-depth analysis of educational data to derive actionable insights for program decision-making.
- Design and contribute to the monitoring and evaluation framework, ensuring data quality and reliability.
- Build and maintain databases that streamline data collection, reporting, and dashboards.
- Collaborate with the Ministry of Education and the Directorate of Teacher Education and Development (DTED) to align analysis with project goals.
- Prepare comprehensive reports and visualizations presenting key findings and recommendations to project stakeholders.

University of Malawi, Chancellor College

Malawi

Research Associate, Education Sector Improvement Project (World Bank) Sept 2018 – Oct 2022

- **Monitoring, Evaluation & Analysis:** Led the M&E team in annual impact evaluations and cost-benefit analyses, using STATA and R on datasets of 1,000+ respondents, and identified a 15% increase in student retention linked to program interventions, prompting scale-up of teacher training.
- **Stakeholder Engagement & Reporting:** Worked with the World Bank and the Ministry of Education to present findings through detailed reports and interactive dashboards.
- **Data Management & Quality Assurance:** Developed and maintained a centralized SQL database, implementing validation checks that reduced entry errors by 30%, and conducted data audits to ensure compliance with World Bank standards.

Humana People to People

Southern Africa

Finance and Administration Officer

Feb 2016 – Sept 2018

- **Innovation & Marketing:** Helped design the organization's sustainable business model and products.
- **Operations:** Managed purchase requisitions, analyzed cash flows, and controlled payrolls in line with approved budgets.
- **Data Management:** Established a procurement system used to capture data and support decisions.
- **Audit & Budgeting:** Conducted quarterly internal audits and supported annual budgeting and financial planning.

DAPP Malawi

Malawi

IT / PR Specialist (previously IT Officer)

Feb 2015 – Feb 2016

- **Operations:** Led procurement of ICT equipment and enhanced IT systems, recommending improvements that strengthened system stability, scalability, security, and performance.
- **Performance Management:** Designed a performance management system to track performance and career growth, and delivered IT training for new hires, users, and technical teams.
- **Recruitment:** Created interview materials and recruited over 30 staff members.
- **Public Relations:** Managed all social media channels, directed field documentaries, produced annual reports, edited in-house magazines, and organized events including press conferences.
- **Data Management:** Built a database tracking 10,000 lead farmers for the organization's farmers' clubs and managed the TB Alert (DFID) database.

EDUCATION & PROFESSIONAL TRAINING

- **BSc (Hons) Business Information Technology**, University of Greenwich
- **Level 5 Diploma in Computing**, NCC Education
- **Level 4 Diploma in Business IT**, NCC Education
- **M&E and Project Design Certificate**, Data for Development
- **Certificate in Drone and Data Technology (CDDT)**, African Drone & Data Academy (Virginia Tech, Furman University). Top Operator: Remote Pilot

SELECTED RESEARCH & PROGRAMS

- Malawi Education Reform Program (MERP), World Bank
- Malawi Education Sector Improvement Project (MESIP), World Bank
- DREAMS, USAID
- TB Alert, DFID
- EMR / BDE, Baobab Health
- Ana Patsogolo, World Education Bantwana
- Youth Behaviour TPE Endline, College of Medicine / World Vision
- Guidance and Counselling, CAMFED

REFEREES

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