Alfred Shingai Tinonetsana

Zimbabwe
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Portfolio: alfredshingai.dev | GitHub: github.com/alfredshingai
Live examples: who-builds-africa.vercel.app

Data Analyst & Interactive Mapping Developer - actor maps, filterable databases and baseline indicator dashboards

Profile

Zimbabwe-based data analyst and builder of interactive data products, currently completing a BSc Honours in Applied Statistics at the University of Zimbabwe (expected 2027). My open-source **Who Builds Africa** product is a working model - 300 mapped projects, 512 actor/participation records, filters, table view and versioned CSV, JSON, GeoJSON and SQLite downloads - while **StatLab Zim** shows how I turn raw baseline data into quality-checked indicators, interactive charts and plain-language findings. I work in a deliberately lightweight, low-cost stack (Python, SQLite, HTML/JavaScript, MapLibre, Streamlit, Power BI) that runs on free or low-cost hosting and can be handed over to a small team without specialist licences.

Technical Skills

- **Mapping & geospatial:** MapLibre GL JS, OpenStreetMap, GeoJSON, district boundaries, location precision, point filtering and clustering
- **Interactive applications:** HTML, CSS, JavaScript; Streamlit; Plotly; filterable tables; responsive, low-bandwidth interfaces
- **Data engineering & databases:** Python (pandas, NumPy), SQL/SQLite, CSV/Excel/PDF ingestion, deduplication, validation (Pydantic, Frictionless), source and provenance tracking
- **Baseline & indicator analysis:** descriptive statistics, disaggregation, regression and multivariate analysis, data-quality auditing, Monitoring, Evaluation, Accountability and Learning (MEAL)
- **Dashboards & reporting:** Power BI (data modelling, DAX, Power Query), advanced Excel (PivotTables, XLOOKUP/SUMIFS), KPI reporting, Word and PowerPoint
- **Delivery & workflow:** Git/GitHub, static hosting (Vercel), versioned data releases, documentation, handover training, Jupyter Notebook, VS Code

Professional Skills

- Translating a brief into a concrete data model, indicator set and delivery plan
- Clear written and verbal communication with non-technical stakeholders
- Cost-conscious delivery using open-source tools, free tiers and reusable components
- Data ethics: provenance, uncertainty, location precision and source traceability
- Independent remote delivery, attention to detail and reliable turnaround

Experience

Freelance Data Analyst & Web Developer Remote
Self-employed 2023 - Present

- Delivered small-scale analysis, dashboards and web products for clients and open-source projects, from raw data to documented output.
- Clarified requirements with non-technical stakeholders, agreed indicator sets and delivered decision-ready exports on small, well-defined projects.
- Built with free and open tools plus low-cost hosting so outputs remain sustainable after handover.

Independent Builder 2025 - Present
Open source

- Shipped live data products solo - code, data validation, documentation and user guidance - and explained technical work in plain language for non-specialist readers.

Selected Projects

Who Builds Africa - Interactive Actor Map and Filterable Database 2026
who-builds-africa.vercel.app | github.com/alfredshingai/who_builds_africa

- Built a live map and searchable database of development actors: filter by country, foreign origin, sector, role, status and year; switch between map and full table view; export CSV, JSON, GeoJSON and SQLite.
- Every record carries source, verbatim evidence and an evidence-strength label; missing or approximate dates and location precision are explicit rather than invented, the data discipline a humanitarian actor mapping exercise needs.
- Uses a lightweight, self-hostable stack with no proprietary map tiles; data is versioned and released under ODbL. *Closest reference for the actor map and organisational database.*

StatLab Zim - Baseline Indicator and Data-Quality Dashboard 2025
statlab-zim.streamlit.app | github.com/alfredshingai/statlab-zim

- Upload a survey CSV, then receive a data-quality dashboard (missingness, duplicates, types, outliers), a 19-metric descriptive summary, six interactive charts and five statistical tests with plain-language interpretation and CSV/PNG export.
- Designed for users without statistical software and tested with pytest before release; a ready template for baseline indicator exploration and district-level disaggregation. *Closest reference for the baseline dashboard.*

SokoData - Open Data Pipeline and API for African Markets 2026
sokodata.onrender.com/docs

- Turned scattered WFP and agency CSVs and PDFs into one clean, documented, queryable dataset covering 486 markets and 22 datasets, with provenance attached to every record.
- Handled 12 CSV dialects, inconsistent place names and currency changes - the unglamorous core of a baseline study: collection, cleaning, validation, documentation and low-cost hosting for Zimbabwe and the region.

Power BI and Excel Dashboards - Low-Cost KPI Reporting 2023–2026

- Built interactive dashboards for flight performance, Coca-Cola USA sales (9,648 invoices)

and cookie-company sales; replaced weekly manual reporting with auto-refresh KPI views and decision-ready visuals for non-technical audiences.

- Prototyped KPIs and aggregations in Python (pandas), implemented business logic in Excel and documented the pipeline from raw data to insight.

Portfolio Website alfredshingai.dev

- Designed and coded a personal portfolio using HTML, CSS and JavaScript to showcase data, dashboard, mapping and web development work, with case-study write-ups and live product links.

Education

Bachelor of Science Honours in Applied Statistics University of Zimbabwe, Zimbabwe
Expected 2027

- Relevant modules: Statistical Computing; Research and Innovation Skills for Science; Programming Fundamentals; Regression Analysis and ANOVA; Multivariate Analysis; Monitoring, Evaluation, Accountability and Learning (MEAL)

Languages

- English — Fluent
- Shona — Native
- Ndebele — Intermediate

Availability

Based in Harare and available immediately; remote, with travel to selected districts. All project examples above are public and may be referenced in the proposal with my permission.