MUTSA TAFADZWA MWANZA

Software Developer | Full-Stack Web & AI-Integrated Applications
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linkedin.com/in/mutsa-mwanza • github.com/mm7ee • mutsa-mwanza-portfolio.pages.dev

PROFESSIONAL SUMMARY

Software developer with 3+ years' experience turning real business problems into live, production-deployed products, from payroll and project-tracking systems to tax and banking fraud-risk tools. First-Class BSc Computer Science graduate (Vice Chancellor's Award; TelOne and Schweppes best-student prizes), now studying for an MSc in Artificial Intelligence. Builds across the stack with React, TypeScript, Python, Hono and PostgreSQL, with applied AI skills in RAG assistants, LLM integration and ML analytics. Certified in Azure, AWS, VMware and Veeam, bringing infrastructure depth to secure architecture and disciplined DevOps. Known for turning non-technical requirements into working software and delivering it with the testing, documentation and training that drive real adoption.

CORE COMPETENCIES

▸ React & TypeScript (Full-Stack)	▸ Python: pandas, Streamlit, Plotly, Pyodide
▸ Cloudflare Workers, Pages & D1 Database	▸ REST API Design & Integration
▸ Hono (Edge API Framework)	▸ RAG Assistants & LLM Integration
▸ SQL & Relational Database Design	▸ Data Visualisation: Recharts, Plotly
▸ Agile & Iterative Development	▸ Git & GitHub (github.com/mm7ee)
▸ AI/ML Concepts & Applied Prototyping	▸ Software Testing: Vitest, Unit & Integration Tests
▸ Cloud Deployment & DevOps: Docker, CI/CD, Linux	▸ AWS (EC2, Lambda, S3, IAM) & Azure (VMs, App Service, Entra ID)
▸ Requirements Analysis & Solution Design	▸ Technical Documentation & Knowledge Transfer

PROJECT PORTFOLIO

All projects are live and production deployed. Full source and demos: github.com/mm7ee • mutsa-mwanza-portfolio.pages.dev

Pulse — Project Progress Tracker — Developer, Omnicontact Econet AI

Stack: React, TypeScript, PostgreSQL • pulse.utsa--wanza--ortfolio.workers.dev

Production project management tool built for internal use at Omnicontact Econet AI. Tracks ICT and business systems from idea through to live deployment. Features include role-based access control, lead contact assignment, update request workflows, instant progress reports, and a full activity log.

MECS Staff Hours & Gross Pay System — Developer, More-Energy Care Services (London, UK)

Stack: React, TypeScript, Hono, Cloudflare D1, Tailwind CSS • mecs-pay-system.utsa--wanza--ortfolio.workers.dev

Payroll management system built for a UK care organisation. Records staff hours per client, calculates monthly gross pay, maintains rate history, generates payroll reports in CSV and PDF, supports month locking to prevent retrospective edits, and provides per-employee breakdowns. Built with a Hono edge API on Cloudflare Workers and a D1 database. Tailwind CSS frontend.

TCRAS — Tax Compliance Risk Assessment System — Developer (VAT Fraud Risk Prototype)

Stack: React, Vite, TypeScript, Recharts, RAG Assistant, Vitest • tcras.pages.dev

Auditor dashboard that scores VAT taxpayers for compliance risk using a rules-based scoring engine with AI-assisted explanations. Features include taxpayer risk scoring with confidence breakdowns, entity network visualisation, interactive Recharts analytics, audit case management, CSV import, and a cited-source RAG assistant that answers auditor queries against a curated knowledge base. Built with Vitest for unit and integration test coverage.

FADIS — Financial Analysis & Detection Intelligence System — Developer (Banking Fraud Analytics Prototype)

Stack: Python, Streamlit, Plotly, pandas, Pyodide • fadis.utsa--wanza--ortfolio.workers.dev

Browser-based fraud detection platform that analyses suspicious transfer patterns across accounts and scores them for analyst review. Features include account lookup and transaction timeline, ML model performance metrics, pattern detection visualisations in Plotly, an AI-powered analyst assistant, and a full audit log. Runs entirely client-side via Pyodide no backend server required. Designed to surface findings and leave all decisions to human analysts.

GED Foundation Website — Designer & Developer

Stack: WordPress, Responsive Web Design, Donation Form Integration • g4ed.org

Full website for the GED Foundation a Zimbabwean educational charity serving rural learners. Includes programme pages, trustee profiles, a photo gallery, a contact page, and a donation form. Fully responsive across mobile and desktop. Designed and built independently from brief to launch.

Helpdesk Ticketing System — Team Lead, Kenac Computer Systems

Stack: ITIL-aligned, SLA Tracking, Escalation Workflows, Knowledge Base

ITIL-aligned service desk platform designed and led from requirements gathering through to production deployment. Features include structured incident and service request workflows, SLA timer enforcement, automatic escalation routing, a searchable knowledge base, and management reporting dashboards. Delivered as a team lead, coordinating development and stakeholder sign-off.

PROFESSIONAL EXPERIENCE

Software Developer | Omnicontact Econet AI

May 2026 – Present • Harare, Zimbabwe

- Design, build, and deploy internal web applications and tools using React, TypeScript, and PostgreSQL including Pulse (project tracker) in production.
- Gather business and technical requirements from stakeholders, translate them into software specifications, and deliver working solutions iteratively operating across the full solution lifecycle from brief to deployment.
- Work with SQL and relational databases: schema design, query optimisation, data integrity, and reporting queries for operational dashboards.
- Apply software testing disciplines using Vitest: write unit and integration tests for data processing logic, scoring engines, and API endpoints before production deployment.
- Collaborate with operations, projects, and BI teams to understand data needs and build reporting tools that translate raw operational data into actionable management information.
- Administer cloud infrastructure on Cloudflare, Azure, and AWS: deployment pipelines, access control, environment configuration, and monitoring applying DevOps discipline to every release.
- Build and maintain API integrations: REST APIs, M365/Graph API, and third-party service connectors for operational tooling.

Software Developer (Remote) | More Energy Care Services

Aug 2025 – Apr 2026 • London, UK (Remote)

- Designed, built, and deployed the MECS Staff Hours & Gross Pay System a full-stack payroll management application purpose-built for the organisation. The system records staff hours per client, calculates monthly gross pay, maintains a full rate history, generates payroll reports in CSV and PDF, enforces month locking to prevent retrospective edits, and provides per-employee pay breakdowns. Built with React and TypeScript on the frontend, a Hono edge API on Cloudflare Workers, a D1 relational database, and styled with Tailwind CSS.
- Gathered payroll and operational requirements from non-technical care sector stakeholders, translated them into a data model and technical specification, built and tested the application iteratively, and delivered with full handover documentation and user training.
- Designed the relational database schema: staff, client, timesheet, rate, and payroll report tables with referential integrity ensuring accurate gross pay calculations across varying hourly rates and client assignments.
- Implemented month-locking logic to prevent retrospective timesheet edits after payroll is finalised a business-critical data integrity requirement surfaced during requirements gathering.
- Built PDF and CSV export functionality for payroll reports enabling the finance team to use outputs directly in their existing processes without manual re-entry.
- Managed M365 and Azure AD / Entra ID administration, Intune device management, and remote end-user support for the distributed care workforce alongside the development work.

Resident Technical Services Engineer — Enterprise Infrastructure | Kenac Computer Systems (deployed to Econet Wireless / EcoCash)

Jun 2024 – Jul 2025 • Harare, Zimbabwe

Technical Projects Led

- Econet Wireless VMware vCenter System Upgrade Team Lead: Planned and executed a major vCenter infrastructure upgrade within Econet's live data centre environment coordinated change windows, managed rollback plans, communicated progress to stakeholders, and delivered the upgrade with zero unplanned downtime across a production enterprise environment supporting Zimbabwe's leading 4G/LTE operator.
- EcoCash EEE Tech Refresh Implementation Engineer: Deployed and certified new enterprise compute hardware across the EcoCash data centre to agreed specifications and quality standards rack and stack, cabling, firmware

baseline, integration testing, and formal sign-off documentation ensuring all hardware met acceptance criteria before handover to operations.

- Helpdesk Ticketing System Lead Developer: Designed and delivered a production helpdesk ticketing system for Kenac Computer Systems gathered requirements from service desk and management stakeholders, built an ITIL-aligned incident and service request workflow with SLA timers, escalation paths, and a searchable knowledge base, and oversaw development and deployment from inception through to production handover.

Infrastructure & Operations

- Operated within Econet Wireless's enterprise environment gaining direct exposure to infrastructure at scale: VMware vSphere 7, IBM FlexSystem servers, Huawei OceanStor SAN, Veeam Backup & Replication, and multi-site WAN connectivity supporting 1,000+ nodes across a 4G/LTE operator's business units.
- Produced technical documentation, infrastructure reports, and operational dashboards for Head of ICT and management review developing structured reporting disciplines against enterprise standards.
- Coordinated vendor escalations with Huawei, IBM, and Microsoft: logged cases with precise fault descriptions, tracked resolution progress, and confirmed closure — building deep experience in enterprise vendor ecosystems widely deployed across Africa.

Systems Administrator | RZM Murowa Diamonds

Jun 2023 – May 2024 • Zvishavane, Zimbabwe

- Designed, built, and deployed a Gatepass Management System currently live in production replacing a manual paper-based process with a digital workflow that tracks personnel, vehicle, and asset movements in and out of the mine site, with role-based access control, audit logging, and management reporting.
- Administered and supported Microsoft Dynamics 365 (D365) across the organisation: user provisioning and access management, module configuration, data integrity maintenance, and first-line troubleshooting acting as the internal D365 point of contact between end-users and the vendor support channel.
- Managed Windows Server infrastructure: Active Directory, DNS, DHCP, Group Policy, and File Services maintaining user accounts, access controls, and system availability across the mining site.
- Administered the site network: Mikrotik RouterOS WAN links, Ubiquiti UniFi wireless access points, and VLAN segmentation monitoring link performance and resolving connectivity faults with minimal downtime.
- Managed backup and disaster recovery operations: scheduled backup jobs, periodic restore testing, and maintained DR documentation to ensure site continuity in a geographically isolated environment.
- Provided on-site technical support to operational and administrative staff resolving hardware, software, and connectivity issues while maintaining clear communication with non-technical users in a high-pressure mining environment.
- Maintained the IT asset register, change log, and SOP documentation ensuring full auditability of all infrastructure activities and building an institutional knowledge base for the site.

Software Intern | RZM Murowa Diamonds

Jan 2022 – Dec 2022 • Zvishavane, Zimbabwe

- Assisted in developing and testing internal web tools for the mine site, including early digital workflows to replace paper-based processes.
- Wrote and maintained SQL queries and reports that gave administrative and management teams quick access to operational data.
- Automated routine data-entry and reporting tasks with scripts, reducing manual effort for site staff.
- Documented software procedures and trained site staff on new digital tools, adapting explanations for non-technical users.

EDUCATION

BSc (Hons) Computer Science First Class

Africa University, Zimbabwe • June Graduated 2023

AWARDS

1. Vice Chancellor’s award for graduating with a first-class degree
2. Telone Prize for the best undergraduate student in Computer Science
3. Schweppes Zimbabwe Private Limited award for graduating best student in engineering

MSc Artificial Intelligence (In Progress)

Africa University Global Campus • September 2026 – Present

Focus areas: Machine Learning, Natural Language Processing, Deep Learning, AI Ethics, Data Engineering.

CERTIFICATIONS

AI, Software & Data

JavaScript Algorithms and Data Structures — freeCodeCamp	2026
Front End Development Libraries — freeCodeCamp	2026
AI Fluency for Builders — Claude Academy	2026
Responsive Web Design Developer Certification (~300 hours) — freeCodeCamp	2026
Explore Generative AI	2026
Embrace Responsible AI Principles and Practices	2026
Human-in-the-Loop (HITL) QA & Data Quality Management — CipherSense × Datalens	2026
Essentials of Data Labelling & Annotation for AI Development — CipherSense × Datalens	2026
Data Labeling Job Simulation — Forage	2026
ISO/IEC 42001 Artificial Intelligence Management Systems (AIMS) awareness training	2024

Cloud, Infrastructure & Security

Microsoft Certified: Azure Administrator Associate (AZ-104)	2026
Microsoft Azure Fundamentals (AZ-900)	2025
AWS Certified Cloud Practitioner (valid to Aug 2028)	2025
VMware Certified Professional — Data Centre Virtualisation (VCP-DCV)	2025
Veeam Certified Engineer 2024 (VMCE)	2024
LPIC-1 Linux Administrator	2025
Fortinet Certified Fundamentals in Cybersecurity	2024
ISO/IEC 27001:2022 Information Security Management	2024

Vendor & Solutions

Lenovo Certified Data Center Technical Sales Professional	2024
IBM Power Systems Power10 Foundational	2024
IBM Storage for Data and AI Sales Foundation	2024
HP Hardware Technology / Computing Products / Connectivity & Security	2024

REFERENCES

Available on request.