

Owden Godson Mwangama

Machine Learning Engineer | Independent Researcher | Technology Entrepreneur

Building auditable, trustworthy AI systems and technology infrastructure with measurable public impact.

github.com/owgee | linkedin.com/in/owden-godson

Profile

Tanzanian-born machine learning engineer, independent researcher, and technology entrepreneur based in Atlanta. Work spanning production agentic systems, AI evaluation, data platforms, digital public infrastructure, and technology ventures serving institutions and communities in Africa. Current independent research focuses on evidence governance, auditability, and authority boundaries in persistent agent change.

Selected research

August 2026	EvoHakiki: An Auditable Control Plane for Evidence-Governed Agent Evolution Manuscript in preparation Phase I anchored to v0.10.0 A two-phase research program investigating how persistent agent change can be governed through evidence lineage, deterministic advisory policy, append-only human adjudication, and explicit separation between recommendation and external-action authority. Phase I is an architecture-and-methods contribution. Phase II longitudinal empirical evaluation from v0.11 or a versioned successor remains future work.
-------------	---

Professional experience

2024-present	Machine Learning Engineer Zillow Engineering production agentic systems, evaluation pipelines, tool-use orchestration, and human-in-the-loop automation for real-estate workflows.
2019-present	Founder Remote advisory Owden Consulting Technology strategy, implementation advisory, and digital-transformation work.
2019-present	Co-founder Board advisory EMET Healthcare Strategic and technology guidance for accessible healthcare initiatives and platform development.
2014-2019	Co-founder Chief Creative Officer INETS Technology and creative leadership for systems addressing institutional and socioeconomic needs.
2016	Co-founder ShuleSoft Co-founded a school-management platform for Tanzanian schools.

Education

2024	Master of Science in Business Analytics (STEM) Emory University, Goizueta Business School Graduate training spanning machine learning, deep learning, distributed computing, data systems, analytics, and organizational decision-making.
------	---

2014	Bachelor of Science with Computer Science (Honours) University of Dar es Salaam Awarded 8 November 2014. Coursework covered computer science and statistics, including software development, data structures and algorithms, databases, probability, statistical inference, regression, multivariate methods, and sampling.
2024	Google Project Management Professional Certificate Google Coursera Completed 22 November 2024. Six-course certificate covering traditional and Agile project management. View verified credential
2018	Google Mobile Web Specialist Google and Udacity Professional certificate
2018	Inbound Marketing HubSpot Academy Professional certificate

Selected systems and projects

Research Systems	EvoHakiki Selected system or intervention Independent researcher and system designer. An auditable control plane for evidence-governed agent evolution, historically developed as Reflective Agent through v0.10. Phase I defines an architecture-and-methods contribution; Phase II empirical evaluation remains future work.
Production AI and Data Systems	Production agentic AI and evaluation systems Selected system or intervention Machine Learning Engineer. Tool-use orchestration, evaluation pipelines, golden examples, and human-in-the-loop automation for real-estate workflows. Engineering and evaluation work supporting production-scale real-estate workflows.
Production AI and Data Systems	NiaFaker Selected system or intervention Creator and maintainer. An open-source Python package generating localized names, phone numbers, mobile-money data, and national identifiers for ten African economies. Publicly available source and package releases support reproducible use and review.
Production AI and Data Systems	IBM Cognos Analytics and AI customer-service proposal for MultiChoice Tanzania Selected system or intervention Founding member and IBM partnership lead. Co-developed a CRM-integrated AI customer-service and IBM Cognos Analytics proposal for MultiChoice Tanzania; presented 27 April 2022, prompting a requested cross-department follow-up.
Digital Public Infrastructure	Climate-smart agriculture platform Selected system or intervention Technology implementation. A digital platform supporting the IMAP4CSA program and its farmer-facing operations. Kilimo Trust reports program results of 10,119 mapped plots containing 7,552 farmer profiles, 22,952 messages or digital-information items sent to 11,964 farmers, and 11,565 farmers trained.
Digital Public Infrastructure	BRELA Online Registration System Selected system or intervention System contributor and launch presenter. Work on BRELA's online registration system through an earlier technology venture. Presented the system at the 2015 TNBC meeting at which it launched; linked BRELA materials provide institutional context.

Speaking, mentorship, and international engagement

2026	Emory University Goizueta Business School Invited industry speaker AI in Action: Journeys into Generative AI Presented and joined a panel discussion on how organizations are moving from traditional analytics to generative AI at Goizueta's AI in Action event on 13 February 2026.
2023	Academy for International Business Officials Beijing Invited participant and closing speaker Implementing the 2030 Agenda for Sustainable Development - Sustainable Cities and Towns Attended the Ministry of Commerce seminar in China from 11 to 24 April 2023 through an official invitation from the Economic and Commercial Office of the Embassy of the People's Republic of China in Tanzania. Delivered closing remarks on behalf of participating delegates, drawing on field visits in Fuzhou and Pingtan and emphasizing international cooperation toward the 2030 Sustainable Development Goals.
2022	C-DAC Advanced Computing Training School New Delhi / NM-AIST Arusha Workshop participant and closing-ceremony speaker Seven Days Workshop on e-Governance Completed the online C-DAC ACTS workshop, held from 10 to 19 October 2022 at NM-AIST in Arusha. Recorded a two-minute course-feedback and thank-you message at the program manager's request for playback during the closing ceremony.
2018	EU mYouth 2.0 International mentor Social-impact mobile application development and entrepreneurship Mentored participants from twelve countries across Africa, Asia, and Europe on social-impact mobile apps, entrepreneurship, business potential, and sustainability.
2018	Haven of Peace Academy Dar es Salaam Middle-school career seminar speaker IT careers and pathways Spoke with students, primarily aged 11 to 14, about daily work, education, and career paths in IT at the 18 June 2018 seminar.

Leadership and advisory work

Founder, Owden Consulting; co-founder and board advisor, EMET Healthcare; former co-founder and Chief Creative Officer, INETS; co-founder, ShuleSoft.

Selected recognition

Finalist, 2024 Wharton People Analytics Conference Case Competition - Selected with Emory's Team HR Eagles to present in the competition's final round.

MSBA Student Excellence in Business Acumen Award - Named a 2024 recipient by Emory University's Goizueta Business School.

UC Berkeley School of Information MIMS Fellowship Package - Awarded with the Fall 2023 MIMS admission offer.

Chevening Scholarship interview shortlist - Selected by the British High Commission Dar es Salaam for interview in the 2023-2024 scholarship cycle.

First Prize - Mentoring, Sanitation Hackathon 2012 - Member of Dream Team, recognized for its software solution at the Dar es Salaam hackathon.

Technical capabilities

Machine learning and evaluation

Python | TensorFlow | scikit-learn | Pandas | NumPy | LLM and agent evaluation

Software and data systems

JavaScript | React | Node.js | PHP and Laravel | PostgreSQL | MySQL

Cloud and delivery

AWS | GCP | Docker | Linux | Git | CI/CD