

OBEY MUSIMBO

Co-Founder and Product Lead | Data and AI Engineer

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Portfolio: fiascoindustries.co.za/obey_portfolio.html | Location: Johannesburg, South Africa

PROFESSIONAL SUMMARY

Data and AI engineer with five Microsoft credentials, an Oracle Generative AI certification, and full-stack development training. Co-founder of Fiasco Industries and creator of EduAid Explorer, South Africa's first free AI assistant for government student funding, currently passing 197 of 198 structured test cases across happy paths, adversarial prompts, scam detection, and multilingual queries. Delivering enterprise-grade data and AI solutions on Microsoft Fabric, Power BI, Copilot Studio, and Azure OpenAI for clients including Bidvest Plumblink and KZN COGTA. Five years of prior operations control experience shape a builder mindset grounded in reliability, testing rigour, and calm decision-making under pressure.

TECHNICAL SKILLS

Category	Technologies
Data Engineering	Microsoft Fabric, Azure Data Factory, Data Pipelines, Lakehouses, Notebooks
Analytics and BI	Power BI, DAX, SQL, Data Modelling, Executive Reporting
AI and Machine Learning	Microsoft Copilot Studio, Azure OpenAI, LLMs, Prompt Engineering, Conversational AI
Development	Python, JavaScript, HTML, CSS, Full Stack Web Development, Playwright
Cloud	Microsoft Azure, Oracle Cloud Infrastructure
Tools and Delivery	Git, GitHub, SharePoint, Microsoft 365, Power Platform, Facilitation

PROFESSIONAL EXPERIENCE

Co-Founder and Product Lead

Fiasco Industries | February 2026 to Present

- Co-founded a technology company focused on AI-powered tools for public service access in South Africa
- Designed, built, and tested EduAid Explorer, a conversational AI assistant that helps students navigate NSFAS and Funza Lushaka government education funding using Microsoft Copilot Studio
- Engineered a Scam Check feature that analyses suspicious messages against seven fraud indicators and provides official reporting channels
- Developed temporal reasoning logic ensuring the agent never presents expired application deadlines as current opportunities
- Built a step-by-step eligibility flow that correctly distinguishes between a student's matric subjects and their intended teaching specialisation
- Achieved 197 of 198 pass rate across a structured test suite covering happy paths, adversarial prompts, scam detection, multilingual queries, and edge cases
- Authored the complete 37-page technical documentation and submitted to the 2026 Microsoft Virtual Agent-a-thon (Level 1, EMEA)

Data and AI Intern

Afribit Technologies | April 2025 to Present

- Build and maintain data pipelines and analytics solutions using Microsoft Fabric (Data Factory, Lakehouses, Notebooks)
- Develop Power BI reports and interactive dashboards for business intelligence delivery to enterprise clients
- Design and implement AI-powered solutions including conversational agents and intelligent automation

- Lead end-to-end delivery of the Bidvest Plumblink Procurement Intelligence platform: data modelling, KPI logic audits, anomaly detection, and executive presentations
- Designed and delivered Microsoft 365 Copilot training for KZN COGTA (Cooperative Governance and Traditional Affairs) government stakeholders, including facilitator run-sheets and hands-on demos
- Contribute to full-stack development projects for client-facing applications
- Work across four disciplines: data analytics, data engineering, AI engineering, and software development

Operations Control Specialist

Alpha Armed Response | November 2019 to December 2024

- Managed real-time operational monitoring and incident response in a 24/7 environment for over five years
- Coordinated cross-functional communication during critical operational events
- Developed systematic problem-solving and rapid decision-making capabilities under high-pressure conditions
- Built operational discipline and reliability that directly inform current approaches to AI product development and testing

CERTIFICATIONS

Credential	Issuer	Date
Microsoft Certified: Fabric Data Engineer Associate	Microsoft	Feb 2026
Microsoft Certified: Fabric Analytics Engineer Associate	Microsoft	Aug 2025
Microsoft Certified: Power BI Data Analyst Associate	Microsoft	Apr 2025
Applied Skills: Create agents in Microsoft Copilot Studio	Microsoft	Jan 2026
Applied Skills: Real-Time Intelligence with Microsoft Fabric	Microsoft	Jul 2025
Oracle Cloud Infrastructure 2024 Generative AI Certified Professional	Oracle	Jul 2024
Certificate in Full Stack Development	IT Varsity	Jul 2025
Founderz Agent Explorer	Founderz	Feb 2026
FNB App Academy Certificate	FNB	2025

EDUCATION

National Senior Certificate (Matric)

Bhukulani Senior Secondary School | December 2014

KEY PROJECTS

EduAid Explorer: AI Assistant for South African Student Funding

An AI-powered conversational agent built on Microsoft Copilot Studio that helps South African students and families access verified information about NSFAS and Funza Lushaka government education funding.

- Grounded exclusively in four official government sources (nsfas.org.za, funzalushaka.doe.gov.za, sanews.gov.za, dhet.gov.za)
- Built-in Scam Check feature protecting students from fraudulent funding messages
- Temporal reasoning ensuring advice always references the correct funding cycle
- Achieved 197 of 198 pass rate across a structured test suite of 198 cases with 3 real users
- Addresses a market of 1.9 million annual NSFAS applicants and an identified R2 billion fraud problem
- Submitted to the 2026 Microsoft Virtual Agent-a-thon (EMEA region)

Adobe Acrobat Bulk Downloader: Open Source Python Tool

An open-source Python and Playwright automation tool that downloads image links in bulk from Adobe Acrobat exports, eliminating hours of manual work.

- Published on GitHub with full README, .gitignore hygiene, and open-source best practices
- Built with Python and Playwright for browser automation
- Handles authentication-free downloads from Adobe Acrobat share links

- Available at github.com/Obey-Afribit/adobe-acrobat-bulk-downloader

ADDITIONAL

- **Languages:** English (fluent), IsiZulu (fluent), Shona (native)
- **Microsoft Learn:** Level 10 | 73 badges | 19 trophies | 108,475 XP
- **Interests:** AI for social impact, EdTech, financial inclusion