

JOSEPH MUKORIVO

AI PRODUCT ENGINEER | HEAD OF ENGINEERING

Harare, Zimbabwe | josemukorivo@gmail.com | www.josemukorivo.com

PROFESSIONAL SUMMARY

AI product engineer and engineering leader with 7+ years of experience building and scaling production software across AI, frontend, backend, data, and cloud environments. Builds agents, conversational interfaces, realtime voice experiences, tool-using workflows, and structured automation with human review. Combines full-stack engineering depth with product judgment to take secure, dependable systems from discovery through production.

CORE COMPETENCIES

Applied AI & Product Engineering: AI agents, LLM APIs, tool use, structured outputs, streamed chat, WebRTC voice, transcription, generative UI, analytics, and human-in-the-loop workflows

Engineering Leadership & Delivery: technical strategy, architecture, roadmaps, mentoring, code review, estimation, risk management, stakeholder communication, and cross-functional delivery

Full-Stack Engineering: TypeScript, JavaScript, React, Next.js, Python, Go, Django, REST APIs, PostgreSQL, Redis, and third-party integrations

Architecture, Cloud & Reliability: AWS, Linux, NGINX, Docker, Kubernetes, CI/CD, OpenTelemetry, Jaeger, PostHog, observability, performance, and incident support

SELECTED IMPACT

- Founded and built FortyOne, an agentic project management platform where Maya turns requests into planned work and prepares reviewable actions.
- Built production conversational AI across chat, voice, video, transcription, tool use, analytics, and structured automation.
- Built and scaled multi-tenant fintech products across 8+ African markets, including credit scoring and automated decisioning.
- Reduced high-volume API latency by 35% and release errors by 50% through platform optimization, observability, and automated testing.

PROFESSIONAL EXPERIENCE

Head of Engineering | Art Circles | Remote / London, UK | Jan 2026 - Present

- Lead product development, solution architecture, infrastructure, analytics, delivery, and technical direction for a creative technology platform.
- Shape AI strategy and translate product goals, business requirements, and user needs into architecture, roadmap priorities, and execution plans.
- Define technical approaches across web applications, AI-enabled workflows, APIs, integrations, cloud infrastructure, analytics, and platform reliability.

Senior Software Engineer | AMAKA Studio | Remote / London, UK | May 2024 - Dec 2025

- Led engineering for AI-powered creative sourcing products across frontend, backend, APIs, analytics, and deployment workflows.
- Redesigned and rebuilt the core platform used by roughly 100,000 people and presented during the company's fundraising work.
- Introduced automated testing and quality practices that reduced release errors by 50%; established A/B testing and PostHog analytics.

Senior Software Engineer | Fin | Nairobi, Kenya | Dec 2022 - May 2024

- Built and scaled a multi-tenant loan management platform deployed across more than eight African markets.
- Integrated credit-scoring APIs and built automated loan decisioning workflows using configurable risk rules.
- Delivered reusable UI systems and engineering standards that improved consistency and accelerated delivery across teams.

Senior Software Engineer | Vocinity | Remote / Reston, VA, US | Apr 2021 - Mar 2023

- Built and operated Python and Django services powering AI-driven conversational voice and video products.
- Implemented platform optimizations that reduced API latency by 35% under high request volumes.
- Automated CI/CD pipelines for consistent staging and production deployments across a distributed product environment.

Software Engineer | SIVIO Institute | Harare, Zimbabwe | Mar 2020 - Jun 2021

- Built interactive dashboards and reporting tools for multi-source governance and public-sector performance data.
- Developed an e-learning platform serving more than 1,000 users with authentication, progress tracking, and operational reporting.

Software Developer Intern | Reserve Bank of Zimbabwe | Harare, Zimbabwe | Feb 2018 - Dec 2018

- Developed an internal IT asset system tracking more than 2,000 devices and infrastructure components.
- Supported high-availability RTGS, SWIFT, and T24 systems through monitoring, incident support, and operational troubleshooting.
- Automated daily backups and integrity checks, reducing manual operational work by more than two hours per day.

SELECTED AI & PRODUCT WORK

FortyOne / Maya | Founder & Product Engineer | 2025 - Present

- Built an agentic project management platform connecting goals, customer feedback, capacity, plans, and everyday delivery.
- Built Maya to answer workspace questions, suggest owners and estimates, plan work, surface risk, and prepare reviewable actions.
- Own the Next.js applications, Go services, data, integrations, realtime systems, cloud architecture, analytics, and reliability.

Portfolio AI Assistant | Independent Project | 2026

- Built a grounded, tool-using assistant with streamed chat, browser transcription, WebRTC voice, generative interfaces, and contact tools.
- Implemented server-side usage controls and a human-confirmed contact workflow that prevents the model from sending email autonomously.

Complexus | Founder | Harare / Remote

- Founded a Zimbabwean product company combining product strategy, software engineering, data, cloud systems, and practical AI.

EDUCATION & CERTIFICATIONS

Master of Business Administration (MBA), In Progress - National University of Science and Technology, admitted 2026

BSc Honours Degree in Information Technology, First Class - Chinhoyi University of Technology, 2019

Certifications: AWS Certified Cloud Practitioner; Containers and Kubernetes Essentials; Scalable Web Applications on Kubernetes