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John Muthee

Full-stack engineer building AI agents, agent infrastructure and production web platforms.

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Summary

Engineer based in Nairobi with a background in systems programming (C, Python) from the ALX Software Engineering programme, now working across the stack: Laravel and TypeScript back ends, React and React Native front ends, and applied AI. Most of my recent work is agentic: tool-calling agents, the memory and orchestration layers underneath them, and the tests that prove they recover when tools fail.

Experience



Founder and principal engineer at **Mutex AI**

2025 to now · Nairobi

Independent AI engineering studio. Design, build and run agentic systems, workflow automation and AI products for businesses in Kenya and beyond.

- Built mutexai.net in Laravel with an on-site Claude agent that routes visitors, learns from a human-reviewed knowledge queue and stays within a daily spend cap.
- Scoping a product suite for African businesses: workspace booking, ERP, POS and hosted commerce.

Laravel Claude API Agents Tailwind CSS



Open-source maintainer at **Agent infrastructure**

2026 to now · Remote

A set of MIT-licensed TypeScript tools for the multi-agent era, sponsorable on GitHub.

- agent-memory-server: self-hosted, git-backed memory for agents with sessions, task leases, decisions and full-text search.
- worktree-orchestrator: parallel coding agents in isolated git worktrees with model routing and deterministic merges.
- agent-test-harness, repo-doctor, cron-for-agents and mcp-african-markets (M-



Ask about John

TypeScript MCP Git Evals

 i-stack

and remote

Production

• HR system

• AjiraWorks

• AlfaTalent, a talent management and development platform.

• Andor, an AI coding agent for VS Code that reads the codebase, writes files and runs commands.

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Laravel React Next.js MySQL PostgreSQL

Skills

LANGUAGES	FRONTEND
TypeScript PHP Python SQL Dart Java C	React Next.js React Native Tailwind CSS Alpine.js Blade
BACKEND	DATA
Laravel Node.js REST APIs Queues WebSockets	PostgreSQL MySQL Redis SQLite Vector search
AI AND AGENTS	OPS
Claude API Tool use MCP Agent orchestration Evals RAG	Linux Docker Nginx GitHub Actions Cloudflare

Education



Software Engineering programme, ALX Africa

2023 to 2024

Intensive full-stack programme: C and low-level programming (a Unix shell, printf, sorting algorithms, binary trees, a Monty bytecode interpreter), Python and the AirBnB clone series, then back-end specialisation in Python and JavaScript: caching, Redis, user authentication and a files manager API.

Selected projects

All projects →



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8,960 contributions in the last year



Languages

English, Swahili

Get in touch

Open to freelance and contract work.

Contact me



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John
Full

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Full-stack engineer in Nairobi. I build agentic AI systems, the memory, orchestration and testing tools that keep them honest, and the web and mobile products they run inside.

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