George Jabley

Junior AI Software Developer

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PROFESSIONAL SUMMARY

Founder and IT Operations Lead of TechWokx Ghana with more than 25 years in technology, including 16+ years in IT support, infrastructure and technical operations, now building production software and AI systems. I take products from idea to a deployed, maintained system: full-stack web apps, multi-agent AI pipelines, business automation, desktop tooling and the servers they run on. I served as Lead Engineer in an innovation lab on wingBM and compete on lablab.ai at the Legend tier, with six AI hackathons completed.

CORE SKILLS

Languages	Python, TypeScript / JavaScript, PHP, C#, Dart, PowerShell, Bash
Front end & apps	Next.js, React, Tailwind CSS, Flutter, Electron, Streamlit, CustomTkinter, PWA
Back end & data	FastAPI, Flask, Node.js / Express, SQLite, PostgreSQL, Neo4j, Supabase
AI & agents	Multi-agent systems, tiered model routing, LLM integration (Claude, Gemini, Groq, OpenAI, DeepSeek, Llama, Fireworks AI, IBM watsonx)
Infrastructure	Linux and Windows servers, Docker, Coolify / Traefik, Caddy, nginx, PM2, systemd, Render, Vultr, Oracle Cloud, Microsoft 365, Azure
Integrations	Meta Ads, WhatsApp Business, Buffer, Paystack, Resend, Mailgun, MailerLite, n8n, GitHub REST API
Email & security	SPF / DKIM / DMARC delivery, SSL/TLS analysis, DNS auditing, network and port scanning

PROFESSIONAL EXPERIENCE

Founder & Principal Consultant

TechWokx Ghana, Accra, Ghana

- Deliver business email infrastructure (SPF, DKIM, DMARC), security audits and IT support for hotels, SMEs and NGOs across Ghana.
- Design, build and deploy client web platforms and AI automation, including DEW by Aphia (live e-commerce store with Paystack deposits, admin dashboard and installable PWA, self-hosted on a VPS) and Zara Kitchen (live restaurant website).
- Operate own infrastructure: Linux servers, Docker, nginx and Caddy, PM2 and systemd services, Vercel and Render deployments.
- Built internal products: a 22-module lead-intelligence CRM with PDF proposals, an 11-module Windows IT administration suite (network, port and SSL/TLS scanning) and a Meta Ads and WhatsApp marketing automation system.

Lead Engineer, Innovation Lab Approx. 5 months

wingBM

- Led engineering for wingBM as part of an innovation lab, owning technical direction and delivery.

PROFESSIONAL EXPERIENCE (CONTINUED)

AI Hackathon Competitor

lablab.ai (Legend tier)

- Completed six AI hackathons, including AMD, ABTalks, IBM Bob and TechEx.
- ChiefFlow AI: AI Chief of Staff with six specialist agents behind a tiered model router; deployed and demoed live.
- Bridge: autonomous AI companion with a five-factor scoring engine, Neo4j life map and a Groq and Gemini model router.
- App Architect Studio: frontend lead on an IBM watsonx app-design tool. SovereignGuard AI: multi-LLM trade-compliance system.

IT Infrastructure & Support

Compuprint Services

- Provided infrastructure and support for banking clients.

IT Support & Infrastructure

Earlier career (25+ years in technology)

- 16+ years in IT support, infrastructure and technical operations: tier 1 to 3 support, Linux and Windows servers, Microsoft 365 and Azure.

SELECTED PROJECTS

wingBM — Business management platform delivered as Lead Engineer in an innovation lab. wingbm.vercel.app

ChiefFlow AI — Six-agent AI Chief of Staff with tiered router (Gemma, AMD GPU, Fireworks AI). FastAPI, Next.js, SQLite, Docker.

Bridge (BridgeAI) — Autonomous AI life companion. Next.js 16, React 19, TypeScript, Neo4j, Supabase. bridgeai-einf.onrender.com

DEW by Aphia — Luxury fashion e-commerce with made-to-order flow, Paystack and AI agents. Next.js 16, PostgreSQL, nginx, PM2. dewbyaphia.online

Zara Kitchen — Restaurant website with 16-category menu, gallery and catering form. Next.js, TypeScript, Tailwind CSS. zarakitchen.online

SovereignGuard AI — Compliance system running several LLMs side by side with audit-packet viewing. Python, Streamlit.

Meta Ads & WhatsApp system — Campaign dashboard, Buffer scheduling and WhatsApp lead-intent auto-replies. Node.js, Docker, Caddy.

IT Admin Suite — Windows app with network, port and SSL/TLS scanning, WHOIS and cPanel audit. Python, CustomTkinter.

CERTIFICATIONS, HACKATHONS & EVENTS

- IBM Bob Hackathon participation certificate (ID CMQAZM0DF00W)
- AMD Developer Hackathon, IBM Bob Hackathon, ABTalks Hackathon, TechEx Hackathon, iSpreme Innovation Lab, Africa Technology Forum

PORTFOLIO

Full project portfolio with case details: https://george-jabley-portfolio.vercel.app/portfolio