

LAWRENCE OTABONGO

FULL-STACK WEB DEVELOPER | TECHNICAL RESCUE & PRODUCT DELIVERY

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PROFESSIONAL PROFILE

Full-stack web developer and product builder experienced in diagnosing difficult application problems, completing unfinished features and supporting production systems. Builds with React, TypeScript, Express, Supabase/PostgreSQL, WordPress and VPS infrastructure. Developed Kwaarena, a real-time competitive chess and draughts platform with server-authoritative gameplay, tournaments, M-Pesa workflows and automated deployment. Brings an additional background in data analysis, cybersecurity awareness and clear remote collaboration.

CORE TECHNICAL SKILLS

Frontend: React, TypeScript, JavaScript, Vite, HTML5, CSS3, responsive interfaces, reusable components

Backend & realtime: Node.js, Express, REST APIs, WebSockets, authentication, server-authoritative workflows

Data & platforms: Supabase, PostgreSQL, SQL, Row Level Security, Realtime, migrations, MongoDB, WordPress

Delivery & operations: Git, GitHub Actions, Vercel, Linux VPS, Nginx, PM2, environment configuration, debugging

Payments & security: M-Pesa integrations, callbacks, reconciliation, idempotent processing, access controls, rate limiting

SELECTED PRODUCT & TECHNICAL WORK

Founder & Full-Stack Developer | Kwaarena.com | Nairobi / Remote | 2026 - Present

- Designed and built a production-oriented competitive chess and draughts platform spanning frontend, backend, database, realtime communication and deployment.
- Implemented server-authoritative game handling with chess.js, Stockfish integration, clocks, draw detection, tournament workflows and spectator updates.
- Built Supabase/PostgreSQL persistence with authentication, RLS-aware access patterns, migrations, durable background jobs and idempotent financial settlement.
- Integrated M-Pesa deposit and withdrawal workflows, callback validation, transaction reconciliation, retry handling and administrative settlement auditing.
- Migrated backend services to a Contabo VPS using Nginx and PM2, and added GitHub Actions checks for linting, builds, tests and dependency audits.
- Strengthened production safety with CORS restrictions, Helmet, rate limiting, authenticated WebSockets, structured logging and security regression tests.

Independent Web Developer & Technical Support | Freelance / Portfolio Work | Remote | 2024 - Present

- Build responsive websites and application interfaces, configure authentication and database-backed features, and take projects from implementation through deployment.
- Troubleshoot frontend, hosting, DNS, environment and integration problems across React, Supabase, WordPress, Vercel and VPS-based deployments.
- Translate technical issues into clear next steps for non-technical users and stakeholders while maintaining reliable remote communication.

PROFESSIONAL EXPERIENCE

Data Analyst | Raptive LLC | Remote | Mar 2024 - Jan 2026

- Analyzed publisher, advertising and audience-performance data to identify engagement, revenue and content trends for editorial and monetization teams.
- Cleaned and validated multi-source datasets and created reusable reporting workflows that improved consistency and reduced repetitive reporting work.
- Built dashboards and concise stakeholder reports that converted complex performance information into practical decisions.

PROFESSIONAL EXPERIENCE - CONTINUED

Data Analyst | MAX BPO | Remote | Jun 2023 - Feb 2024

- Analyzed operational and sales data to identify performance trends and support decisions across departments.
- Restructured and validated raw datasets to improve reporting accuracy and produced visual reports for non-technical stakeholders.

Data Analyst | ATR International | Remote | Feb 2022 - May 2023

- Supported operational reporting, forecasting and conversion analysis through data cleaning, trend analysis and structured recommendations.
- Collaborated remotely with operations stakeholders and communicated assumptions, findings and reporting limitations clearly.

ADDITIONAL PROJECTS

BizzPro Portfolio & Admin-Managed Business Site | bizzpro.space | Current

- Built a responsive portfolio and business website with editable content, WhatsApp lead capture, structured SEO and deployed project demonstrations.

School Website Demonstration | Vercel | Current

- Created a responsive school website concept with clear information architecture, institutional presentation and mobile-first layouts.

EDUCATION & CERTIFICATIONS

Diploma in Information Technology: College of Advanced Technology, 2020 - 2023

Certificate in Data Analysis: College of Advanced Technology, 2020 - 2023

IBM Data Analyst Professional Certificate: IBM / Coursera, 2023

Web Development: freeCodeCamp coursework and project-based learning

Cybersecurity: EC-Council foundation training and security awareness

WORKING STYLE

Technical diagnosis | Ownership of bounded tasks | Remote collaboration | Clear documentation | Security-minded implementation | Fast learning

PORTFOLIO

bizzpro.space | kwaarena.com | github.com/troymorg211