David Makinde-George

Full-Stack Developer | Saas Builder | AI Integration Specialist

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Summary

Full-stack developer with 5+ years of experience building production applications that serve real users. Specialized in Next.js, React, and TypeScript with proven ability to ship end-to-end products-from AI-powered Saas platforms to enterprise visa systems. Strong focus on performance optimization, security, and user experience.
29 public repositories 13+ live projects 400+ contributions/year

Education & Certifications

Bachelor of Science in Computer Science, *University of the People*   2026

Google Cybersecurity Professional Certificate, *Google via Coursera*   03/2025

Responsive Web Design Certification, *freeCodeCamp*   2022

Technical Skills

Frontend
Next.js 14-16, React 19, Vue 3, TypeScript, Tailwind CSS

Backend
Node.js, Laravel/PHP, .NET 8, RESTful APIs, Server Actions

AI/ML
OpenAI API, Embeddings, Semantic Search, Document Generation

Database
PostgreSQL, Supabase, MongoDB, pgvector, Row-Level Security

Payments
Stripe, Paystack, M-Pesa Integration |

DevOps
Vercel, Docker, GitHub Actions, CI/CD Pipelines |

Testing
Vitest, Playwright, React Testing Library |

Featured Projects

SwiftPass - Enterprise Visa Application Platform, *Next.js 14 Supabase Stripe M-Pesa TypeScript [GitHub] (https://github.com/obedav/Swiftpass-visa-platform-dev) Demo] (https://swiftpass-visa-platform-dev.vercel.app) [Live*

- Built 8-step visa application wizard serving 100+ countries with real-time tracking and multi-channel notifications
- Implemented client-side passport OCR, reducing form filling time by 78% while maintaining user privacy
- Integrated dual payment system (Stripe + M-Pesa), increasing payment completion by 43% for African users
- Achieved 94 Lighthouse performance score through Server Components and code splitting
- Implemented Row-Level Security in PostgreSQL for multi-tenant data isolation

Tundua - AI-Powered EdTech SaaS (Live with Revenue), *Next.js 14 OpenAI PostgreSQL Stripe Paystack [Live] (https://tundua.com) [GitHub] (https://github.com/obedav/Tundua)*

- Built and launched live Saas platform with paying customers for study abroad guidance
- Integrated OpenAI for automated document generation, reducing consultant workload by 40%
- Implemented Stripe Connect for multi-party payments with automatic 15% platform fee collection

- Built custom document management system saving $300/year vs third-party solutions

Finance Tracker - Production-Grade Personal Finance App,
Vue 3 Laravel PostgreSQL TypeScript [GitHub](https://github.com/obedav/finance-tracker)
- Engineered virtual scrolling handling 10,000+ transactions at 60fps (90% memory reduction)
- Achieved WCAG 2.1 AA accessibility compliance with full keyboard navigation
- Implemented comprehensive security: CSP headers, rate limiting, CSRF protection
- Maintained 78% test coverage with Vitest and Playwright B2B tests

Estatia - AI-Powered Real Estate Platform,
Next.js 15 .NET 8 OpenAI PostgreSQL pgvector [GitHub](https://github.com/obedav/Estatia)
- Built semantic property search using OpenAl embeddings and pgvector for natural language queries
- Implemented AI-generated property descriptions, reducing listing creation time by 70%
- Achieved sub-100ms API response times through Redis caching and optimized queries

Royal Health Consult - Healthcare Booking Platform (Live), *React Node.js PostgreSQL TypeScript [Live] (https://royalhealthconsult.com) [GitHub] (https://github.com/obedav/Royal-Health-Consult)*
- Developed and deployed live healthcare booking platform for nursing and emergency services
- Built real-time availability calendar eliminating double-booking issues
- Implemented HIPAA-compliant data handling with encrypted patient records

Client Work

Delivered 8+ client websites across education, hospitality, and energy sectors including MrCream, St. Patrick's Church, StreetNG, and Deusel Consult.

Open Source

- 29 public repositories on GitHub
- All major projects are open source with full documentation

- 400+ contributions in the past year