DAVID ESSIEN

Full-Stack Developer

Lagos, Nigeria | +234 701 323 2383 | hello@davidessien.dev | davidessien.dev | GitHub | LinkedIn

SUMMARY

Full-stack developer with three years of experience building and deploying production web applications — from database architecture and API design to frontend implementation. Backend-leaning, with a track record of shipping systems that hold up under real traffic. Currently expanding into network protocols and security research.

TECHNICAL SKILLS

Frameworks: Next.js, Nuxt.js, NestJS, Astro, React, Vue, Ionic

Styling: Tailwind CSS, Chakra UI, Material UI, SCSS

Databases & Backend Platforms: PostgreSQL, MariaDB, MongoDB, Supabase, Firebase

Infra, Version Control & APIs: Vercel, Netlify, DigitalOcean, Render, Railway, GitHub, GitLab, GraphQL

Currently learning: Rust, systems programming fundamentals

PROFESSIONAL EXPERIENCE

Full-Stack Developer | Innowaves

Nov 2022 – Nov 2025

Freelance engagement (monthly retainer) — longest-running and most substantial client work

- Redesigned MongoDB schema using an embedded document pattern, eliminating 19,000+ duplicate records via a zero-downtime migration
- Reduced average query response time from 2.5s to 0.12s through strategic indexing and query optimization
- Implemented a Redis caching layer, reducing database load by 60% across a platform serving 1,000+ active users
- Architected and maintained RESTful APIs with NestJS and TypeScript, sustaining sub-200ms average response times in production
- Implemented secure authentication with NextAuth, JWT, and custom database adapters
- Built location-based content filtering using IP geolocation to surface relevant results by user region
- Designed and maintained database schemas across PostgreSQL and MongoDB for a multi-tenant platform

Full-Stack Developer | Centenum

Jan 2025 – Jul 2025

Full-time, signed employment contract

- Built a responsive, mobile-first banking application using Vue.js and Ionic
- Integrated the Paystack payment gateway for transaction processing and fund transfers
- Developed account dashboard interfaces with real-time balance updates and transaction history
- Implemented secure authentication flows with multi-factor verification and session management
- Used Pinia for centralized state management across financial workflows
- Collaborated with backend engineers to define API contracts for payment and account operations

Frontend Developer | Utogenx

Feb 2023 – Jul 2023

Freelance collaboration, informal engagement

- Built a reusable UI component system, reducing duplicated code across features
- Integrated third-party APIs with proper error handling and retry logic
- Ensured consistent behavior and responsive layout across major browsers and devices
- Collaborated with the backend team to define API contracts and optimize data structures

Frontend Developer | Zaza Technologies

Jul 2022 – Feb 2023

Full-time, signed employment contract — first professional software role, sole frontend developer

- Built and maintained the company's web application as the only frontend developer, using Next.js and Tailwind CSS
- Collaborated directly with management on UI/UX direction, translating design feedback into implementation
- Owned deployment and ongoing maintenance of the live application

- Refactored existing components and pages to improve maintainability and consistency

PERSONAL PROJECTS

Titan | Blockchain Invoicing & Payments Platform *Nov 2025 – Present*

A borderless invoicing and payments platform for freelancers and businesses working across countries — get paid in stablecoins or crypto in seconds, without wire transfer delays, FX fees, or account freezes. NestJS API, React frontend, Anchor program for on-chain payment logic on Solana, EAS-based invoice notarization on Base.

LogicVisor | AI-Powered Code Review Tool *Nov 2025*

Instant, structured AI feedback on algorithm solutions — complexity analysis, optimization suggestions, and clear explanations, built for developers learning outside a classroom. Next.js, Supabase, Gemini and Groq/Llama models, AST-based duplicate detection for cost control. Live at logicvisor.vercel.app.

EDUCATION

B.Sc. Computer Science — University of Calabar, 2018 – 2022

ADDITIONAL INFORMATION

- Remote experience: 3 years working with distributed teams and asynchronous workflows
- Work authorization: Nigerian citizen, available for remote work globally
- Availability: Immediate start for full-time or contract roles
- Interests: Cybersecurity, systems programming, game development, chess, fiction writing