

MOSES CHUKWUDI NWIGBERI

Full Stack Developer | Next.js Specialist | IT Team Lead

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PROFESSIONAL SUMMARY

Fullstack Software Engineer and IT Team Lead with 4+ years of experience designing and shipping production systems across the full stack — backend architecture, database design, API development, DevOps tooling, and user-facing interfaces.

My work spans internet banking portals, multi-tenant SaaS platforms, real estate systems, restaurant ordering platforms, fintech loan applications, and enterprise internal tooling — each built with deliberate focus on scalability, security, and long-term maintainability. Currently deepening backend expertise through intentional project-based learning, progressing toward Java, Go, and AWS cloud deployments.

EDUCATION

University of Lagos NG

CHEMICAL ENGINEERING

WORK EXPERIENCE

WealthBridge Financial Services Limited | September 2025 – Present

Full Stack Engineer & IT Team Lead

ENGINEERING

- Built the **corporate and retail internet banking portals for MainTrust Microfinance Bank** (Next.js, TypeScript), integrating the core banking APIs alongside the backend engineers and implementing every management-approved feature. The corporate portal runs the finance department's operations and has processed company payroll for three consecutive months; the retail portal serves 200+ staff across Lagos and Abuja internally ahead of public launch. Maker-checker approval workflows in progress.
- Re-engineering the company's **payment approval flow to disburse through MainTrust** — a Node.js service built alongside the legacy PHP monolith (strangler-fig pattern) with OTP step-up authentication, BullMQ-queued disbursements, and an append-only audit trail.
- Replaced manual cPanel uploads and root-terminal deploys for the group website with a **GitHub Actions CI/CD pipeline**: merges to main stream the build over a single-purpose, forced-command SSH key, then build, restart PM2 and purge the nginx cache, with deploy locking, automatic rollback on failed builds, health checks and a dry-run mode. Validated in a Docker replica of the production server before rollout, catching two production-breaking bugs.
- Raised the group website's **PageSpeed performance score from 74 to 98 on mobile**: ISR caching with Sanity webhook revalidation, an 87% cut in source image size (41.8 MB → 5.6 MB), resized WebP images generated in CI because the server's CPU can't run sharp, faster loading of the main hero image, and removal of 440 KB of unused fonts.
- Architecting **WealthBridge Loans**, a full-cycle loan management system covering Personal, Business, and SME loans with a multi-role workflow — applicants, loan officers, and admins — built on Next.js 15, PostgreSQL, and Prisma.
- Designed and shipped **DaBridge**, the full-stack platform for WealthBridge's real estate subsidiary — Next.js frontend on a PHP REST backend (custom router, JWT authentication, file uploads, rate limiting, honeypot spam protection) with a full CRUD admin dashboard across six modules. Containerised with Docker Compose (MySQL, PHP, Next.js) and shipped under a real client deadline.
- Shipping new features on the internal **staff portfolio-management portal** and continuously improving the company's existing web applications, including an SEO overhaul of the group website (sitemap fix, JSON-LD structured data, metadata fallback chain).
- Built bulk email and assessment delivery infrastructure for a company scholarship programme — PHP cron jobs, queue tables, idempotency guards, and per-candidate randomised question sets ensuring no duplicate delivery at scale.
- Performed a live production database recovery, backfilling 1,345 orphaned result rows using sequential insert/send ordering and a three-way JOIN. Zero data loss.

IT & INFRASTRUCTURE

- Provide organisation-wide IT support across staff devices, email, internal systems, and software licensing — e.g. resolved a 30GB mailbox storage crisis for the COO through POP3 archiving and year-by-year PST archives.
- Manage cPanel hosting, WordPress, Sanity CMS, and Paystack integrations; triage and resolve production bug reports from staff and users.
- Mentor junior developers, establishing code review standards and architectural patterns for the engineering team.

Key Technologies: Next.js, TypeScript, Node.js, PHP, PostgreSQL, MySQL, Prisma, BullMQ, Redis, Docker, GitHub Actions, PM2, Nginx, Linux, Sanity CMS, WordPress, cPanel, Paystack

VisCorner Enterprises | April 2025 – November 2025

Web Developer (Next.js)

- Led critical platform migration from WordPress to modern Next.js + Node.js + Strapi CMS stack, improving page loads, site performance scores from 45 to 70+ on Lighthouse.
- Architected and built entire frontend of **VisCorner** from ground up using React (Next.js), Zustand, TypeScript, and Tailwind CSS, delivering modern, intuitive UI that significantly enhanced user experience and brand perception.
- Implemented 10+ major features including advanced search functionality, dynamic content modules, user dashboard, and service catalog system — all delivered on schedule within 8-month engagement.

- Developed intelligent search algorithm (useIntelligentSearch) enabling users to search through 500+ services with zero lag, featuring:
 - **Natural language processing** to transform queries like "I need a plumber" into "plumbing services"
 - **Auto-correction algorithm** handling up to 3 misspelled letters with nearest suggestion matching
 - Search suggestion feature improving user discovery by 60%
 - Real-time filtering for optimal performance
- Implemented comprehensive caching strategies (ISR, client-side caching, CDN optimization) reducing server load by 55% and improving repeat visit load times by 3.5 seconds.
- Structured Strapi CMS with custom content types and workflows, empowering non-technical staff to update content dynamically without developer intervention — reducing content update turnaround from 24 hours to instant.
- Drove significant increase in organic traffic through technical SEO optimization, semantic HTML, structured data implementation, and Core Web Vitals improvements.
- Collaborated with backend developer to integrate RESTful APIs, design user dashboard architecture, and implement authentication flows with role-based access control.
- Optimized page load speeds achieving sub-2-second First Contentful Paint (FCP) and sub-3-second Largest Contentful Paint (LCP) across all pages.
- Collaborated with the CEO and maintained the legacy WordPress platform while simultaneously building new features, ensuring zero downtime during 6-month transition period.

Key Technologies: Next.js, React, TypeScript, Strapi CMS, WordPress, Tailwind CSS, Framer Motion, Zustand, Context API, REST APIs, Search Algorithms, Performance Optimization, SEO, ISR Caching

DITCOSOFT Technologies | May 2024 – April 2025

Web Developer (Next.js)

- Architected and developed **AirtimePlus-Beta** (beta.airtimeplus.ng) from ground up — a comprehensive recharge card management platform handling thousands of transactions monthly (airtime, data, vouchers) worth over ₦13.2k.
- Designed and implemented multi-tenant SaaS architecture with domain-based tenant isolation, role-based access control (RBAC), and JWT authentication.
- Built complex user account management system with pin generation, bulk printing functionality, and automated pin flushing features.
- Integrated PHP backend APIs with Next.js frontend, implementing error handling and data validation reducing API errors by 70%.
- Developed company Cooperative website with modern UI/UX principles.
- Implemented secure authentication flows and session management for enterprise clients.

Various Clients | Jan 2022 – Present

Freelance Fullstack Developer

- **GreenCal Foundation (greencalfoundation.com) | Non-profit Donation Platform** — Designed and built high-converting donation platform for Abakaliki-based NGO that generated ₦2,000,000+ in donations for hospital bill clearance campaign. Optimized conversion funnel resulting in 35% increase in donation completion rate through strategic UI/UX improvements.
- **Portfolio Website (mosesnwigberi.com)** — Achieved 100/100 Lighthouse scores across all metrics (Performance, Accessibility, Best Practices, SEO).
- **Amour Artelia (amourartelia.com) | Corporate Website** — Delivered modern corporate website using Next.js and Sanity CMS with real-time preview capabilities. Led SEO strategy implementation resulting in first-page Google rankings for 8 target keywords within 2 months. Implemented brand identity through custom animations and interactive elements using Framer Motion.
- **Zstinger (zstinger.com) | Investor Portal** — Developed secure, authenticated investor portal for drone technology startup with PHP powered authentication. Built dashboard with real-time data visualization. Implemented role-based access control for different investor tiers.
- **One Divine Singularity (onedivinesingularity.com) | Blog Platform** — Created blog platform with secure admin portal using HTML, CSS, Bootstrap and PHP.
- **TastyC** — Multi-role restaurant ordering platform with JWT access/refresh rotation, Redis idempotency keys, PostgreSQL, and Prisma. Three-role architecture (customers, staff, admin) with seeded first-admin model. v2 scoped for Paystack payments and React Native mobile.

TECHNICAL SKILLS

- **Backend & Architecture:** Node.js, Express.js, PHP, REST API Design, Service Layer Architecture, Repository Pattern, Dependency Injection, OOP, Multi-tenancy, JWT Auth (access/refresh rotation), Queue Systems, Strangler-Fig Migration
 - **Frontend:** Next.js (App Router), React, TypeScript, JavaScript (ES6+), Tailwind CSS, Framer Motion, Zustand, Progressive Web Apps
 - **Databases & ORMs:** PostgreSQL, MySQL, SQLite, Prisma, DrizzleORM, Redis, BullMQ
 - **DevOps & Infrastructure:** Docker, Docker Compose, GitHub Actions (CI/CD), SSH/rsync deployments, Nginx, PM2, Linux (AlmaLinux), cPanel/WHM, Git, GitHub, Vercel, Netlify
 - **CMS & Integrations:** Sanity CMS, WordPress, Strapi, Paystack, Twilio
 - **Currently Learning:** NestJS · Go · AWS (EC2, RDS, S3, SQS, ECS) · Laravel
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COMMUNITY IMPACT

- Built a donation website that raised ₦2M+ for hospital bill clearance campaign in Ebonyi State
- Collaborated with NGOs on a Menstrual Hygiene Campaign, providing essential education and resources to underserved communities