MOSES CHUKWUDI NWIGBERI

Full Stack Engineer | TypeScript · Next.js · Node.js · PostgreSQL · Docker

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Professional Summary

Full stack engineer with 5 years of experience shipping web products end to end, from database schema and APIs to fast, accessible Next.js interfaces and the CI/CD that deploys them. Has built internet banking portals, real-time ordering systems, CMS-driven sites with custom admin dashboards and background-job services, with measurable results: mobile PageSpeed raised from 74 to 90+, idle Redis usage cut by about 80%, server load cut by 55%, API errors cut by 70%. Strong in TypeScript, React/Next.js, Node.js and PHP, PostgreSQL and Redis, Docker and GitHub Actions. Uses AI coding tools daily with every change reviewed.

Core Skills

- **Languages & Frameworks:** TypeScript, JavaScript (ES6+), React 19, Next.js 15/16 (App Router), Node.js, Express, PHP 8, Tailwind CSS, Zod
- **Backend & Architecture:** REST APIs, BullMQ workers, WebSockets (Socket.IO), idempotency, multi-tenancy, JWT and HttpOnly-cookie auth, RBAC
- **Data:** PostgreSQL, MySQL, Redis, Prisma, Drizzle ORM, Supabase
- **DevOps & Performance:** Docker, GitHub Actions, Nginx, Linux, Vercel, Render, ISR/CDN caching, Core Web Vitals, technical SEO
- **CMS:** Sanity (custom studio, webhooks), Strapi, WordPress
- **AI-Assisted Engineering:** Claude, Claude Code

Work Experience

Full Stack Engineer & IT Team Lead — WealthBridge Financial Services, Lagos

September 2025 – Present

- **Internet banking:** Built and maintain the corporate and retail internet banking portals for MainTrust Microfinance Bank (Next.js, TypeScript) on the production core banking API. The corporate portal has run company payroll every month since August 2026, with single and bulk maker-checker approvals, soft-token login and a self-service debit lock; the retail portal matches the mobile app feature for feature and is used by all staff ahead of public launch. Delivered in-house, avoiding an estimated ₦3M+ in vendor cost.
- **Double-payment protection:** Engineered idempotency across transfers and approvals, with caller-owned keys, explicit retry rules and correlation IDs for tracing a payment across retries.
- **Payment disbursement service:** Designed and built the first version of a Node.js/TypeScript service beside a legacy PHP approval system (strangler fig): a state machine with an append-only event log, drift detection that halts any payment changed after approval, step-up OTP authorisation by amount tier, a transactional outbox and a simulated bank provider. Analysed 3,800+ historical payments to set its rules, then handed it over to the core banking engineer.
- **Security engineering:** Led a 16-finding security audit of the corporate portal; hardened how sensitive data is handled in the browser; designed a backend-for-frontend that moves tokens into HttpOnly cookies with CSRF checks and a strict CSP (34 automated checks).
- **Careers API rewrite:** Rewrote a procedural PHP API as a modular Node.js/TypeScript service with separate BullMQ worker processes, content-verified uploads, Redis rate limiting and 41 tests.

- **Bridge Foundation (bridgefoundation.com.ng):** Built and shipped the website (Next.js 16, Sanity) and a custom admin dashboard for a non-technical team, with email-code sign-in, a draft → publish workflow and on-demand cache revalidation.
- **Scholarship platform:** Built an application system that drew 1,340+ applicants and 50,000+ page views in three months; recovered 1,345 orphaned production records with zero data loss.
- **Web performance & CI/CD:** Rebuilt wealthbridge.com.ng on Next.js + Sanity and raised mobile PageSpeed from 74 to 90+; replaced manual deploys with GitHub Actions pipelines featuring restricted SSH keys, deploy locking, health checks and automatic rollback, then moved them to Docker.

Web Developer (Next.js) — VisCorner Enterprises (Remote, Contract)

April 2025 – November 2025

- Led the migration from WordPress to Next.js + Node.js + Strapi, raising Lighthouse performance from 45 to 70+ with zero downtime on the legacy site.
- Built the frontend from scratch and shipped 10+ features, including search over 500+ services with natural-language query rewriting and typo tolerance.
- Introduced ISR, client and CDN caching, cutting server load by 55% and reaching sub-2s FCP.

Web Developer (Next.js) — DITCOSOFT Technologies, Lagos

May 2024 – April 2025

- Built AirtimePlus from the ground up: a multi-tenant recharge platform handling thousands of airtime, data and voucher transactions monthly.
- Designed domain-based tenant isolation with role-based access control and JWT authentication; built PIN generation, bulk printing and automated PIN flushing.
- Integrated PHP backend APIs with the Next.js frontend, adding validation and error handling that cut API errors by 70%.

Frontend Developer — PEPNOPS Inc

January 2023 – May 2024

- Built and deployed the company website (pepnops.com) with React/Next.js.
- Developed web projects for client brands, including the AMAN Awards, the annual awards of the Artiste Managers Association of Nigeria recognising talent in the creative industries.
- Contributed to the startup's internal products, building frontend features and integrating backend APIs.

Freelance Full Stack Developer — Independent

January 2022 – Present

- **TastyC (tastyc.mosesnwigberi.com):** Real-time restaurant ordering platform with Socket.IO order tracking and kitchen display, JWT access/refresh rotation, BullMQ jobs, web push, PostgreSQL and Prisma. Cut projected idle Redis usage by about 80% (98k → 18k commands/day) by redesigning BullMQ worker polling and scheduling.
- **Greencal Foundation (greencalfoundation.com):** Donation platform for an Abakaliki-based NGO that raised ₦2,000,000+ for a hospital-bill campaign; funnel work lifted donation completion by 35%.
- **Portfolio (mosesnwigberi.com):** Next.js 16 + Supabase site scoring 96 mobile performance and 100 for accessibility, best practices and SEO, with a full JSON-LD structured-data setup and IndexNow.

Education

B.Sc. Chemical Engineering (in progress), University of Lagos, Nigeria