

OKECHUKWU CHIDERA MUNACHIMSO

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with 3+ years of experience designing, building, and deploying scalable production web applications. Specializes in React.js, Next.js, Node.js, and PostgreSQL with hands-on expertise in REST API architecture, role-based authentication (RBAC), containerized deployments (Docker), and performance optimization. Proven track record delivering end-to-end solutions for retail and healthcare clients on time with zero critical post-launch failures. Comfortable working independently in fully remote environments with strong client communication skills.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL

Frontend: React.js, Next.js, Tailwind CSS, Server-Side Rendering (SSR), Static Site Generation (SSG)

Backend: Node.js, Express.js, REST API Development, BullMQ (Background Job Processing)

Databases: PostgreSQL, MongoDB, Prisma ORM, Database Schema Design, Query Optimization

Authentication: JWT, OAuth 2.0, Better-Auth, Role-Based Access Control (RBAC), Session Management

DevOps & Tools: Docker, Docker Compose, Git, GitHub, Vercel, CI/CD, Environment Configuration

Integrations: Cloudinary, Payment Gateway APIs, Email Services (Loops.so), RESTful Third-Party APIs

SEO & Performance: Lighthouse Optimization, Structured Data (Schema.org), Core Web Vitals, Meta Tag Strategy

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer | Self-Employed | Remote

Jan 2021 – Present

- Designed, developed, and deployed 5+ production web applications for retail and healthcare clients, delivering all projects on schedule with zero post-launch critical failures, maintaining a 100% on-time delivery rate.
- Built a full-featured medical supplies e-commerce platform (humkeysurgicals.com) with product catalog management, cart persistence, secure multi-role authentication, and an admin order management dashboard — reducing client order processing time by streamlining manual workflows.
- Engineered role-based access control (RBAC) systems supporting distinct customer and administrator permission levels, improving platform security and enabling scalable multi-tenant user management.
- Optimized PostgreSQL schema design and Prisma ORM query performance, achieving measurable API response time improvements on high-traffic product listing pages through indexing and query restructuring.
- Implemented Next.js server-side rendering (SSR) and static site generation (SSG) strategies, improving page load performance and SEO visibility across deployed client applications.
- Integrated background job processing via BullMQ for asynchronous task handling, improving application reliability and reducing synchronous bottlenecks in production environments.
- Managed complete project lifecycle for all engagements: requirements gathering, system architecture design, full-stack development, Docker-based deployment, and ongoing post-launch maintenance.

SELECTED PROJECTS

Medical Supplies E-Commerce Platform | Tech: Next.js, TypeScript, PostgreSQL, Prisma, NextAuth, Docker | <https://humkeysurgicals.com>

- Built a production-grade e-commerce system with full product filtering, cart persistence, real-time inventory tracking, and admin order management dashboard serving live customers.
- Developed a secure multi-role authentication system distinguishing customer and administrator access, using NextAuth with JWT session management and RBAC middleware.
- Implemented dynamic product pages with Next.js SSR and incremental static regeneration (ISR), improving page load speed and search engine indexability.
- Designed a scalable inventory management workflow that streamlined order processing operations, reducing administrative overhead for the client.

SaaS Landing Page — Canadian Tax Compliance App | Tech: Next.js, TypeScript, Tailwind CSS, Loops.so, Vercel | <https://rubiwosem.com>

- Built a high-converting waitlist landing page for a pre-launch Canadian B2B SaaS product targeting CRA tax compliance, integrating automated email collection via Loops.so API and Next.js server actions.
- Achieved a perfect 100 Lighthouse SEO score by implementing structured data schema (Schema.org), optimized meta tags, Open Graph tags, and full server-side rendering.
- Attained a 91+ Lighthouse accessibility score by resolving contrast ratio failures, implementing ARIA landmark roles, and eliminating composited animation jank.
- Configured CI/CD deployment to Vercel with custom domain setup and secure environment variable management via CLI, enabling seamless production releases.

EDUCATION

Bachelor of Medical Laboratory Science

Jan 2017 – Dec 2023

Nnamdi Azikiwe University, Awka, Nigeria

ADDITIONAL INFORMATION

Availability: Open to full-time remote roles, contract projects, and freelance engagements globally

Work Authorization: Nigerian citizen; open to international remote work and relocation opportunities