

Teryima David Nienge

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Software Engineer | Full-Stack

Software Engineer with 4+ years of experience building scalable web applications in public health and enterprise environments. Strong background in full-stack development using React, Next.js, TypeScript, Node.js, NestJS, and PostgreSQL. Experienced in API optimization, performance tuning, role-based access control (RBAC), and cloud deployments on Linux-based VPS and AWS/Azure environments. Dean's List graduate with a 4.93 CGPA and a Faculty Research Award.

TECHNICAL SKILLS

Frontend: React, Next.js, JavaScript, TypeScript, Tailwind CSS

Backend: Node.js, NestJS, Python, PHP

Database: PostgreSQL, SQL

DevOps & Cloud: Docker, Git, Linux, VPS Deployment, AWS, Azure

CMS & Tools: Sanity, Strapi, Contentful, ESLint, Prettier

WORK EXPERIENCE

Software Engineer - eHealth Africa

Abuja, Nigeria | May 2024 - Dec 2024

- Built scalable public health web applications supporting multi-state health programs across Nigeria using React, Next.js, TypeScript, Node.js, and PostgreSQL.
- Developed a Pomodoro-based productivity tracking system used by 200+ internal staff, improving team efficiency by 30%.
- Optimized backend APIs and database queries, reducing response times by 40%.
- Implemented role-based access control (RBAC) and secure authentication mechanisms for multi-team usage.
- Collaborated with DevOps teams to support Docker-based containerization and cloud deployments.

Software Engineer (Volunteer) - World Media Outreach Center

Abuja, Nigeria | Nov 2021 - Present

- Developed and maintained responsive web platforms using Next.js and Node.js.
- Diagnosed and resolved a critical auto-scaling issue, reducing peak-time downtime by approximately 50%.
- Improved application performance through caching strategies, load balancing optimization, and frontend refactoring.

- Collaborated with cross-functional teams to deliver production-ready features and performance improvements.

Lead Software Engineer - SyntaxLABS (Self-employed)

Abuja, Nigeria | Feb 2025 - Present

- Lead architecture and development of scalable full-stack web applications for startups using **Next.js, TypeScript, Node.js, NestJS, and PostgreSQL**.
- Design and implement CMS-driven platforms using **Sanity and Strapi**, enabling non-technical teams to manage dynamic content efficiently.
- Architect RESTful APIs and backend services with authentication, RBAC, and secure payment integrations (e.g., Paystack).
- Deploy and manage production environments using **Docker, Linux-based VPS, AWS, and CI/CD pipelines**.
- Translate business requirements into technical solutions, collaborating directly with founders and stakeholders.
- Optimize application performance, SEO, and system reliability to support growing user traffic.
- Oversee end-to-end project lifecycle: requirements analysis, system design, development, deployment, and maintenance.

EDUCATION

Bachelor of Science (BSc) in Software Engineering

Mewar International University, Abuja

2021 - 2025

CGPA: 4.93 / 5.00

Dean's List | Faculty Research Award

CERTIFICATIONS

- CS50x - Introduction to Computer Science, Harvard University (2024-2025)
- 100 Days of Python - AppBrew (2022-2023)
- Complete Web Development Bootcamp - AppBrew (2021-2022)