

Teryima David Nienge

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Software Engineer | Full-Stack

Software Engineer with 4.5+ years of experience building scalable web applications in public health and enterprise environments. I have extensive experience in AI, including RAG, LLMs, Foundation Models, model training, agent building, and enterprise AI systems. An early adopter of AI in software development since 2021, I have leveraged AI coding assistants and IDEs like Cursor, Co-pilot, Antigravity, Claude Code, Codex, and many more to enhance engineering workflows. 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 (Volunteer) - [World Media Outreach Center\(WOMOC\)](#)

Abuja, Nigeria(Remote) | 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.

Software Engineer - [Presidency \(FGNPC-PPI\)](#)

Abuja, Nigeria(On-Site) | Feb 2024 - Aug 2024

- Led the full redesign development cycle of the organisation's website for media publication, creating scalable solutions for high-traffic demands.

- Designed custom PHP modules, optimized MySQL databases, and implemented performance enhancements to ensure reliability.
- Provided technical support, developed SEO strategies, and integrated social media modules for streamlined content distribution.
- Additionally, I designed user-friendly WordPress themes, enhancing both functionality and user experience.

Software Engineer - [eHealth Africa](#)

Abuja, Nigeria(On-site) | 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.

Lead Software Engineer - [SyntaxLABS](#)

Abuja, Nigeria(Remote) | Dec 2024 - Present

- Building Intelligent Software and Enterprise AI systems for Agencies and organisations.
- 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

- Complete Web Development Bootcamp - AppBrew London (2021-2022)
- 100 Days of Python - AppBrew London (2022-2023)
- Complete Computer Programming - EHA Academy (2023)
- Design Theory - Sean Adams (LinkedIn - 2023)
- Design Thinking - Jamal Laazar (2024)
- Emotional Intelligence at Work - Leila Bulling Towne (NASBA - 2024)
- ChatGPT 101: Supercharge Your Work & Life - Sean Melis (2024)
- CS50x - Introduction to Computer Science, Harvard University (2024-2025)