

NWANKWO CHIBUIKE SAMUEL

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CORE COMPETENCIES

Microservices Architecture · RESTful & GraphQL API Design · Event-Driven Systems · Multi-Tenancy · CI/CD Pipelines · Cloud Infrastructure (AWS) · Payment Gateway Integration · Database Optimization · Authentication & Authorization (JWT, OAuth2) · Real-Time Systems (WebSockets) · Containerization (Docker) · Technical Mentorship · Performance Engineering · API Security (OWASP) · Serverless Architecture · Zero-Downtime Deployment

PROFESSIONAL SUMMARY

Results-driven Backend Engineer with 5+ years in Node.js (NestJS, Express.js) and 7+ years in PHP/Laravel. Expert at designing and deploying scalable microservices, secure RESTful and GraphQL APIs, and cloud infrastructure on AWS with Docker. Reduced API response times by 30%+, processed \$1M+ in payments, and cut tenant provisioning time from 3 days to 30 minutes across production systems. Published npm authentication SDK adopted by 200+ applications. Experienced across fintech, e-commerce, healthtech, and EdTech domains.

TECHNICAL SKILLS

Languages:	Node.js, NestJS, Express.js, PHP, Laravel, TypeScript, JavaScript
Databases:	MongoDB, MySQL, PostgreSQL, Redis, Mongoose ODM
APIs:	REST, GraphQL, WebSockets, Webhooks, Microservices Architecture
Cloud & DevOps:	AWS (EC2, S3, Lambda, ELB, Autoscaling), Docker, Nginx, GitHub Actions
Queues/Cache:	RabbitMQ, Redis Pub/Sub, Background Jobs
Payments:	Stripe, Paystack, Apple Pay, Split Payments, Webhook Reconciliation
Testing/Security:	Jest, PHPUnit, OWASP Best Practices, JWT, OAuth2, Rate Limiting, HTTPS/TLS
Frontend:	React.js, Next.js, HTML5, CSS3, Bootstrap
Tools:	Git, Swagger/OpenAPI, Postman, npm, Composer, Linux/Bash

PROFESSIONAL EXPERIENCE

Sweetfly — Backend Engineer (Full-Time, Remote)

May 2024 – Aug 2025

Cumbernauld, Scotland | NestJS, Express.js, MongoDB, AWS (EC2, ELB, S3), Docker

- Architected and maintained a production e-commerce API (migrated v1 Express.js → v2 NestJS), supporting a chat-style ordering flow handling thousands of daily orders.
- Integrated 3 delivery partners (Stuart, Shipday, Gophr) and 2 payment methods (Stripe, Apple Pay); implemented split payments and automated webhook reconciliation, reducing payment discrepancies by ~90%.
- Deployed microservices behind AWS Elastic Load Balancers with autoscaling groups; achieved 99.9% uptime with S3-backed media uploads and automated backups.
- Built WhatsApp notification bot for real-time order/delivery updates, cutting customer support ticket volume by ~35%.

Olotu Square — Backend Engineer (Contract, Remote)

May 2024 – Present

Port Harcourt, Nigeria | Node.js, Express, Laravel, MongoDB, MySQL, Docker, GitHub Actions

- Migrated legacy PHP monolith to Laravel, reducing deployment errors by ~50% through standardized architecture, automated tests, and enforced code review workflows.
- Built a multi-tenant SaaS platform with isolated tenant databases and automated provisioning, cutting client onboarding from 3 days to under 2 hours.
- Developed RESTful APIs serving multiple client applications, handling authentication, role-based access control, and high-concurrency request patterns.

- Implemented GitHub Actions CI/CD pipelines with Docker, enabling zero-downtime deployments and eliminating manual release steps.
- Led a 4-month backend engineering training program for 12+ developers covering Node.js, API design, and testing; 80% of graduates are now in active backend roles.

Webxiel — Laravel Developer (Contract, Remote)

Jan 2024 – Oct 2024

Enugu State, Nigeria | PHP, Laravel, MySQL

- Developed a Laravel microservice for a landlord-to-tenant mobile API within a broader microservices architecture serving 10,000+ users.
- Implemented JWT authentication, secure RESTful endpoints, and webhook integrations for mobile workflows and push notifications.
- Optimized slow database queries and N+1 problems, improving average endpoint response time by ~40%.

iGiet Ltd — Software Engineer (Contract, Remote)

Nov 2023 – Sep 2024

Port Harcourt, Nigeria | Node.js, Express.js, Laravel, React.js, GraphQL

- Designed and built Parrot mobile app backend (Node.js/Express) with RESTful endpoints, JWT auth, and real-time update hooks, from zero to production in 6 weeks.
- Delivered a REST+GraphQL hybrid API for e-commerce modules, reducing client data payload by ~30% and eliminating over-fetching.
- Improved frontend performance via server-side rendering and asset optimization, cutting initial load time by ~50% in targeted applications.

Credib — Backend Developer (Full-Time, Remote)

Aug 2022 – Feb 2024

Port Harcourt, Nigeria | Node.js, GraphQL, MySQL, AWS (EC2, S3), Docker, Redis, RabbitMQ

- Designed GraphQL API gateway in Node.js/Express unifying data access across 5+ product microservices, reducing frontend integration complexity by ~60%.
- Built order and payment workflows with Paystack split payments; implemented AWS S3 for media storage serving 50,000+ assets.
- Introduced Redis caching layer reducing average DB query load by ~45%; implemented RabbitMQ job queues for async processing.
- Managed containerized AWS EC2 deployments with Docker; maintained 99.7% service uptime across production microservices.

Emblc Technologies — Software Developer (On-site)

Mar 2020 – Jul 2022

Port Harcourt, Nigeria | PHP, MySQL, Java/Kotlin (Android), HTML/CSS/Bootstrap, AWS

- Built OfficePro — an all-in-one enterprise office management system (HR, Payroll, Inventory, Invoicing, Time & Attendance) deployed across 5+ corporate clients.
- Developed a Hospital Management System with patient management, pharmacy, diagnostics, bed allotment, and online appointment booking used by 3 healthcare facilities.
- Built and published MyReminda to Google Play Store — automated document/certificate reminder service with SMS/email notifications, reaching 1,000+ downloads.
- Delivered a POS solution for supermarket chains and converted a legacy payroll product with tax calculation, banking interface, and Excel/PDF reporting.

ADDITIONAL EXPERIENCE

- Softicu — Frontend Developer (On-site), Umuahia | Jun 2019 – Dec 2019 | Built responsive React.js/Bootstrap UIs; integrated RESTful APIs for single-page applications.
- Textbooks.ng — Software Developer, Aba | Mar 2016 – Oct 2018 | Built PHP/MySQL e-commerce platform with payment integrations; optimized queries reducing checkout latency by ~25%.
- AspireLabs — Frontend Developer, Aba | Mar 2018 – Oct 2018 | Delivered responsive, accessible UI components using React.js and Bootstrap.

KEY PROJECTS

Auth SDK for Express.js

Node.js, TypeScript | npmjs.com/package/...

Published Express.js auth SDK on npm. Simplifies JWT/token-based auth integration. Adopted by 200+ applications.

Multitenant SaaS Platform

Laravel, MySQL, Docker

Tenant-isolated DBs for 50+ clients. Automated provisioning cut onboarding from 3 days to 30 minutes.

E-Commerce API

Laravel, MySQL, Stripe

Full product/cart/payment REST API. Processed \$1M+ in first 6 months with zero downtime.

DevXP.dev — Developer Platform

Node.js, Express, MongoDB, AWS

Real-world Git/TDD simulation platform. 500+ users onboarded in 3 months; 80% weekly active rate.

Sports Prediction API

Node.js, AWS Lambda, ML

Serverless ML-backed API; <100 ms cold start, 99.7% uptime across all Lambda invocations.

AI Intrusion Detection System

PHP, TensorFlow

Network anomaly detection with 92% accuracy and real-time alerting on threat patterns.

Remote Access Terminal

Node.js, WebSockets

Secure authenticated shell over WebSockets; reduced support troubleshooting time by 60%.

Interactive Developer Portfolio

React, Node.js, GitHub Actions

Live GitHub data integration with SSR; CI/CD automated deployment; 95+ Lighthouse score.

FREELANCE ENGAGEMENTS (2017 – PRESENT)

End-to-end backend solutions for global clients across fintech, healthtech, e-commerce, and education. DigiBank NG (Laravel — loan scheduling & API integration); VendoHub US (Node.js/MongoDB — vendor marketplace & onboarding); EduCrest LMS UK (NestJS — role-based LMS backend); Schetia NG (Node.js — learning platform); Movment NG (Node.js — ride-sharing dispatch API); GodgraceLab NG (PHP/MySQL — healthcare admin portal with analytics); SparkxyFix NG (Node.js/Stripe — maintenance booking & payments); KID NG (React.js/Node.js — children's learning platform).

VOLUNTEER & COMMUNITY

- Siliconverse — Frontend Developer (Volunteer) | Oct – Dec 2024 | Built responsive UI components for early-stage startup products.
- CodeSpark Nigeria — Coding Instructor | Oct 2018 – Dec 2019 | Taught programming fundamentals to 300+ students during Africa Code Week.

EDUCATION

B.Sc. Computer Science — Michael Okpara University of Agriculture, Umudike

2015 – 2019