

JOHN CHINONSO EDEH

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CAREER SUMMARY

Versatile Senior DevOps Engineer with **7+ years** of progressive experience in cloud infrastructure, CI/CD automation, reliability engineering, and full-stack deployment of high-traffic web platforms. Proven expertise in AWS (EC2, S3, Lambda, RDS, CloudFront), Terraform (IaC), Jenkins/GitHub Actions pipelines, Docker containerization, and observability tools.

Skilled at optimizing performance, reducing downtime, implementing self-healing systems, and supporting scalable transactional and user-facing applications (including gamified and reward-based systems). Passionate about leveraging AI-driven automation for operational excellence. Seeking to drive infrastructure reliability and deployment safety

SKILLS

- **Cloud & Infrastructure:** AWS (EC2, S3, Lambda, RDS, CloudFront, ECR), Azure, GCP, Terraform (IaC), Docker, Kubernetes basics
- **CI/CD & Automation:** Jenkins, GitHub Actions, Azure DevOps, Infrastructure as Code, Self-Healing Scripts
- **Monitoring & Reliability:** Prometheus/Grafana (observability), Incident Response, Root-Cause Analysis, Performance Tuning
- **Backend & Databases:** Node.js, Express, NestJS, PostgreSQL, MongoDB, MySQL, Prisma, Mongoose
- **Frontend & Full-Stack:** React.js, Next.js, TypeScript, Tailwind CSS, Responsive Web Interfaces
- **Other:** Git, Linux, Scripting (Python, Bash), Agile, RESTful APIs, Security Best Practices, Cost Optimization.

ADDITIONAL SKILLS

- Real-time: Socket.IO, WebSockets, Pub/Sub
- AI/ML integration: Anthropic Model Context Protocol (hackathon agents for internet search + map integration with human confirmation)
- Automation/Scripting: Python, Linux, OpenAI API, Resend email
- In progress: AWS Cloud Practitioner (GoMyCode AWS DevOps course, exam pending)
- Cloud: AWS Lambda, S3 triggers, auto-scaling | Tools: Jenkins, GitLab, Docker, GitHub Actions | Scripting: Python, Linux

PROFESSIONAL EXPERIENCE

Full Stack Web Developer

The Punch Nigeria LTD

Nov 2024 – Present

- Architected AWS infrastructure with two EC2 instances (one Redis for complex caching, one WordPress web), and managed full AWS operations to support high-traffic news platform.
- Designed and deployed scalable web infrastructure supporting high-traffic editorial and transactional platforms, achieving 99.9% uptime through automated monitoring and self-healing mechanisms.
- Automated story posting by parsing IDML files and integrating WordPress API, eliminating night-shift department needs, slashing time-to-website for newspaper content, reducing errors, and boosting authenticity via journalist focus.
- Implemented OpenAI API for automated SEO tag generation (matching Yoast SEO), accelerating Google indexing and organic reach for stories.
- Integrated programmatic advertising and ads technology

Full Stack Developer

Fuelsgate (remote)

Jun 2025 – Jan 2026

- Built FuelsGate.com, a cloud-based marketplace and operational platform for Nigeria's oil/fuel station industry.
- Developed real-time features using Socket.IO and WebSockets for price negotiation chat and finance SaaS-style RBAC (instant permission/role updates without page reload).
- Implemented Redis caching, queue service with bullmq in nestjs, and managed full cloud infrastructure.

STYLE TERRAIN

Mar 2024 – Jul, 2024

- Create responsive web designs.
- Integrated functional payment gateway.

Front-end/DevOps Engineer

MHAPY, ONATORIO, CANADA (remote)

Jun 2023 - Aug, 2024

- Managed AWS infrastructure (EC2, S3, Lambda, RDS, CloudFront) and company web resources (mhapy.com portals), deploying responsive web applications with zero-downtime strategies.
- Set up and maintained CI/CD pipelines using Jenkins and GitHub Actions, automating builds, tests, and deployments for mental health chatbots and school management platforms
- Managed multi-cloud resources on AWS, Azure, and GCP for web portals (mhapy.com family), deploying responsive apps with CI/CD pipelines.
- Built and optimized responsive web interfaces (React, Bootstrap, Next.js) while handling web resource management, contributing to platform reliability for high-user-volume services.

NYSC

BFG GLOBAL CONSULTS LTD.

Jul 2023 – Jun 2024

- Handled deployment and management of web applications on AWS, ensuring seamless resource allocation and performance for multiple client portals.
- Supported containerized environments and automated workflows, reducing manual intervention by 60%.

DevOps Engineer

NEWTONCORE Aug 2023 – Oct 2023

- Developed responsive web interfaces and deployed applications on AWS with CI/CD pipelines (Jenkins), focusing on scalability and reliability.
- Managed web resources and implemented automation to minimize downtime in production environments.
- Set up CI/CD with GitHub Actions and Docker; used Jenkins/GitLab to provision QA environments for rapid testing before production.

Warehouse Assistant

MULTICHOICE, IKEJA, LAGOS Aug 2022 – Oct 2022

- Optimized scanning machine operations and quality control processes, reducing downtime by 30% and consistently meeting daily targets through process automation and root-cause troubleshooting.

Mechanical & Maintenance Engineering Intern

ADVANCE AUTOMOBILE DIAGNOSTIC CENTRE, LOKOJA, KOGI STATE Apr 2021 – Aug 2021

- Performed repair, servicing, and performance optimization of complex systems, building foundational troubleshooting and reliability skills applied to modern infrastructure.

Teacher

APOSTOLIC FAITH NURSERY/PRIMARY SCHOOL, LOKOJA, KOGI STATE Sep 2019 – Dec 2019

- Combined classroom instruction with music and administrative systems, demonstrating early leadership in coordinating team efforts and enhancing operational efficiency.

PERSONAL/INDEPENDENT PROJECTS & EXPERIMENTS

- Implemented multi-tenancy with subdomain access and impersonation using cookies/headers in SaaS tool.
 - Set up AWS auto-scaling groups to test performance under load.
 - Configured Lambda functions with S3 event triggers to send automated Slack alerts on specific bucket file downloads.
 - Provisioned Jenkins + GitLab environments for QA engineers to test development code before production.
 - Built real-time negotiation chat and RBAC system using Socket.IO/WebSockets + Python/Linux scripting.
 - Participated in hackathon: Created AI agents with Anthropic Model Context Protocol for internet search, map integration, and human confirmation flows.
 - Integrated Resend for reliable email delivery in SaaS apps.
 - Developed FuelsGate.com, a cloud-based SaaS platform for fuel station management in Nigeria's oil industry (multi-location tracking, sales/stock reconciliation, automated reporting).
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- **Therapists Dashboard (Mental Health Chatbot):** Built with React/Next.js, Ruby backend, deployed on AWS with CI/CD – scalable platform for real-time user interactions.
 - **School Management System (Nigeria Schools):** Full-stack deployment with payment integration and AWS hosting.
 - **E-commerce & Portal Platforms:** yoamart.com, powermartelectricals.com, jobkonnnecta.com – responsive designs with backend automation.
 - Personal contributions on GitHub: Infrastructure scripts and web apps showcasing Terraform and pipeline automation.
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EDUCATION

- **Bachelor of Engineering (B.Eng.)** - Mechanical Engineering University of Nigeria, Nsukka, Enugu state **2022**

CERTIFICATIONS/TRAININGS

AWS Educate 101 (Badge) – [Click to view Badge](#)

2023

Industrial and Operations Engineering (IEOM): Director of communications, Student chapter

2021

SQL: Sololearn

2020

Excellence In Leadership: Apostolic Faith Campus Fellowship

2016

LINKS

GITHUB : <https://www.github.com/netojaycee>

LINKEDIN: <https://https://www.linkedin.com/in/jc-edeh>

REFEREE

PROJECTS

Available on request.