

Chukwukodinaka Ugochukwu Benjamin

Backend Engineer

[Email](#) | [LinkedIn](#) | [Github](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Backend Engineer with hands-on experience building scalable REST APIs, optimizing database performance, and shipping production systems using Python, Django, Flask, and FastAPI. Track record of measurable impact: 70% performance gains, 40% faster API response times, and zero-downtime deployments across multi-application platforms. Experienced working across contract, internship, and team-lead roles with distributed engineering teams.

TECHNICAL SKILLS

Languages: Python

Frameworks: Django, Flask, FastAPI

Databases: MySQL, MongoDB, PostgreSQL, Redis

Tools & Platforms: Docker, Kubernetes, Git, GitHub Actions, HashiCorp Vault, Grafana, Loki, DigitalOcean

PROFESSIONAL EXPERIENCE

Alternatestates

September 2024 – November 2024

Backend Engineer (Contract) | Remote

- Refactored core codebase and optimized database queries, improving application performance by 70% and API response time by 40%
- Built and integrated backend APIs supporting a system used by 100,000+ users, coordinating directly with frontend and client teams through deployment
- Introduced rigorous testing practices that reduced bug rate and development time by 40%

ExamCompassNG

June 2025 – August 2025

Backend Engineer (Contract) | Remote

- Built a real-time quiz scoring and feedback system that increased user engagement by 40%
- Designed a streak-tracking daily challenge engine with push notifications, improving daily active usage
- Shipped a progress analytics dashboard surfacing completion rates and performance metrics for end users

HNG Internship

February 2025 – April 2025

Backend Engineer (Internship) | Remote

- Led 30+ Python developers in open-source feature delivery, accelerating sprint time by 25%
- Enforced code quality standards through structured PR reviews, reducing bug rate by 30% and improving maintainability
- Managed issue triage and resolution, prioritizing critical bugs and feature requests for timely delivery
- Built a Telex–Jira integration using Django, cutting workflow time by 40%

Choppr

September 2025 – November 2025

Backend Engineer (Contract) | Remote

- Architected and built RESTful APIs for a multi-sided food ordering platform serving customers, vendors, riders, and admin users
- Deployed 4 production applications on DigitalOcean with zero-downtime updates and a full CI/CD pipeline, cutting deployment time from manual hours to minutes
- Implemented centralized logging and monitoring with Grafana and Loki, improving incident response time and platform visibility
- Built a custom authentication and role-based access control system across 4 interconnected applications

KEY PROJECTS

SpecFlow

February 2026 – Present

Vue.js, Vue Flow, Python, FastAPI, PostgreSQL

API testing visualization tool that fast-tracks API testing through interactive user journeys and automatic data chaining.

- Generates and executes realistic API workflows based on OpenAPI specifications, with automatic test data generation from schemas
- Built an interactive drag-and-drop canvas using Vue Flow for enhanced UX
- Displays real-time results from individual endpoints (steps) within a generated journey
- Integrated AI capabilities using Ollama for automated API journey creation

CarePay

June 2026 – August 2026

Python, FastAPI, PostgreSQL, HashiCorp Vault, Celery, Nomba

Healthcare fintech platform enabling Nigerian hospitals to accept and reconcile patient payments through dedicated virtual bank accounts

- Architected a secure credential management system using HashiCorp Vault and Vault Agent, ensuring hospital payment API keys are encrypted at rest and dynamically injected at runtime with zero plaintext exposure
- Built a webhook-driven payment processing pipeline that detects inbound bank transfers, matches them to patient invoices, and updates billing status in real time with idempotency guarantees
- Designed a dual-ledger reconciliation engine using Celery Beat that automatically cross-checks internal transaction records against the payment provider's ledger nightly, resolving discrepancies without manual intervention
- Implemented fault-tolerant API integrations with exponential backoff and jitter, ensuring reliable service during third-party payment provider downtime
- Deployed a zero-downtime CI/CD pipeline with GitHub Actions and PM2, sourcing all secrets directly from Vault with no credentials stored in version control

EDUCATION

Nnamdi Azikiwe University | Bachelor's Degree in Computer Science Education