

Muiz Oyebowale Olaitan

Backend Engineer

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SUMMARY

Backend engineer with hands-on experience designing and building production systems for early-stage startups. Proven track record shipping APIs, background processing pipelines, and secure authentication systems. Strong background in financial workflows, distributed systems, and service-based architectures. Comfortable taking ownership across the full backend lifecycle from database design to deployment.

SKILLS

Backend: Python, Django, Django REST Framework, Django Ninja, FastAPI

Databases: PostgreSQL, MySQL, Redis

Infrastructure: Docker, Celery, Nginx, Gunicorn

Auth & Security: JWT, OAuth (Google), API Keys, Webhooks, Role-Based Access Control

Languages: Python, JavaScript, TypeScript, Bash, SQL

Tools: Git, Linux, Neovim, Postman, GitHub Actions

Additional: HTML, TailwindCSS, Django Templates

EXPERIENCE

Taskingdom Backend Developer Jul 2025 - Jan 2026

Contract | Remote

Task-based gaming platform where users complete tasks and jobs to earn real-money rewards.

- Built role and permission system supporting four distinct user types: Regular users complete tasks, VIP users access higher-reward tasks, Business accounts create tasks and jobs, and Influencers take jobs to promote businesses.
 - Designed abuse prevention logic using a hybrid storage strategy: task completion records stored in Redis with TTL matching task expiry for short-lived tasks, and a join table for longer or non-expiring tasks, preventing reward farming across task resets.
 - Built webhook integration linking third-party game outcomes to internal user accounts, triggering reward payouts when game conditions were met.
 - Co-designed core database models including user, task, reward, and role schemas to support the platform task execution and payout flow.
 - Implemented Google OAuth authentication alongside token-based access control for API security.
 - Moved heavy operations to Celery background workers backed by Redis, improving responsiveness of user-facing endpoints.
 - Built a custom image storage and serving system, reducing bandwidth usage and decoupling image delivery from application logic.
 - Worked closely with frontend engineers to align APIs with real product usage and evolving requirements.
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Meerge Africa Backend Engineer Dec 2024 - Jul 2025

Contract | Remote

Startup building a multi-service food commerce platform connecting vendors, suppliers, and delivery operations across independent microservices.

- Designed and led development of the Supplier service from scratch, the primary service I owned, supporting 500+ suppliers with an average of 50 products each during pilot operations.
- Built supplier lifecycle management with four explicit states (pending, approved, rejected, suspended), full audit logging on every transition, and admin tooling for operations teams.
- Designed secure service-to-service communication using JWT tokens scoped to specific service identities, preventing cross-service privilege escalation.
- Refactored bare except blocks and swallowed exceptions into structured error-handling flows with consistent response formats and full logging, significantly reducing silent failures and making issues traceable.
- Introduced Redis caching with explicit invalidation on mutation events, reducing repeated database queries across high-traffic endpoints.
- Co-developed backend logic for the Delivery service including order creation, assignment workflows, and order status polling.
- Reviewed pull requests across all three backend services (Supplier, Delivery, Kitchens), maintaining consistency and code quality across the platform.
- Stepped in as acting backend lead for 8 weeks when the engineering lead left, coordinating a team of 7 engineers, guiding architecture decisions, and continuing to ship.

HNG 13 Internship Backend Engineer (Finalist) Oct 2025 - Dec 2025

Internship | Remote

Sitelytics: website analysis platform for non-technical users.

- Selected as a finalist among 22,000+ applicants, one of roughly 309 finalists globally.
- Built the Admin system from scratch as a sole contributor: role-based access control, user monitoring, scan tracking, and admin-managed content.
- Built the platform notification system from scratch including retrieval, deletion, and email delivery through external providers.
- Built helper utilities that standardized notification delivery across the platform, eliminating inconsistent notification handling.
- Contributed to async website scanning pipelines using background workers and Server-Sent Events for real-time scan progress updates.
- Served as a frequent code reviewer across a 15-engineer backend team, maintaining code quality and consistency.
- Acted as temporary team lead for one week, coordinating contributors and unblocking work across the team.

Oshodi-Isolo Cooperative Multipurpose Society Variation Officer Jul 2023 - Apr 2024

Full-time | Lagos, Nigeria

Financial operations role managing member accounts, loan processing, and transaction records where getting numbers wrong had real consequences.

- Managed sensitive financial records across member accounts including loan processing, withdrawals, and recurring deductions using internal accounting systems.
- Investigated and resolved transaction discrepancies, preventing data inconsistencies and financial reporting errors before they reached members.
- Troubleshoot software and data-related issues to maintain system reliability and reduce downtime for internal operations.
- Worked with accounting and operations teams to improve financial data workflows, reducing manual errors and improving record traceability.

PROJECTS

Wallet Service github.com/Muizzyranking/wallet_service

Production-ready wallet backend with Paystack deposits, internal transfers, and a dual authentication system supporting both user sessions and scoped API keys.

- Idempotent webhook processing: each transaction carries a unique reference; duplicate Paystack webhook deliveries update the existing record rather than crediting the wallet twice.
- Webhook signature validation via HMAC verification rejects unauthenticated requests before any processing begins.
- Atomic transfers: debit, credit, and both transaction records execute in a single database transaction. Either everything commits or nothing does.
- Scoped API key system: keys carry explicit permissions (deposit, transfer, read), are stored as hashes, and expire after configurable durations.

Stack: Python, Django, Django Ninja, PostgreSQL, JWT, OAuth

Meerge Supplier Service kittchens.com

Supplier onboarding, verification, and operations backend designed from scratch as an independent microservice for a food commerce platform.

- Explicit supplier state machine (pending, approved, rejected, suspended) with audit logging on every transition and admin tooling for operations teams.
- JWT-based service-to-service authentication with scoped permissions per service identity, preventing cross-service privilege escalation.
- Serialized response caching with Redis and explicit cache invalidation tied to data mutation events.

Stack: Python, Django, Django REST Framework, PostgreSQL, Redis, Celery, Docker

Shopifyte API github.com/Muizzyranking/shopifyte-api

Multi-vendor ecommerce backend where each vendor operates an independent store, with a custom image service, scoped permissions, and APIs built alongside a Next.js frontend.

- Custom permission handlers and extended Django Ninja router enforce shop-scoped access on every request, with standardized error responses and 404 schemas across all endpoints.
- Image service: models store only a reference; a dedicated service compresses, watermarks, and stores images in a swappable storage backend (local, S3, or Cloudinary).
- Serialized response caching with Redis; cache invalidation triggered on product add, update, or delete.

Stack: Python, Django, PostgreSQL, Redis, Docker

EDUCATION

Higher National Diploma, Statistics Jul 2024 - Feb 2026

Yaba College of Technology, Lagos

National Diploma, Statistics Sep 2021 - Jan 2023

Yaba College of Technology, Lagos

PROGRAMS

ALX Software Engineering Program | Graduate

HNG 13 Internship | Backend Engineer Finalist