

Olusola Ojewunmi

Senior Backend Engineer

Ibadan, Nigeria · +2349096842230 · olusolaojewunmi@gmail.com [LinkedIn](#) · [GitHub](#) · [Dev.to](#)

PROFESSIONAL SUMMARY

Senior Backend Engineer with 5+ years of experience designing, building, and operating production backend systems across fintech, healthcare, logistics, hospitality, and SaaS. Architected and shipped 15+ production APIs using Laravel, Yii2, and Symfony, with direct ownership of microservice decomposition, financial workflow engines, and event-driven integrations. Proven track record as sole or primary engineer on platforms handling payments, multi-tenant isolation, and complex domain logic in fully remote, distributed teams.

CORE TECHNICAL SKILLS

Backend:	PHP 8.x, Laravel 10/11, Yii2, Symfony 6, RESTful API Design, gRPC, Domain Modelling, Event-Driven Architecture, State Machine Design
Databases:	MySQL, PostgreSQL, MongoDB (aggregation pipelines, replica sets), SQLite, Redis
Queues & Messaging:	RabbitMQ, Apache Kafka, Laravel Horizon, Supervisor
Search & Indexing:	Typesense, Algolia (Laravel Scout), Elasticsearch
Payments & Fintech:	Paystack, Stripe, Braintree, virtual accounts, tokenized mandates, ledger-style reconciliation
DevOps & Infra:	Docker, GitHub Actions CI/CD, DigitalOcean, Linode, Linux (Ubuntu), Supervisor, Laravel Octane, Laravel Pulse
Observability:	Honeybadger, Sentry, Datadog (dd-trace), Laravel Telescope, Spatie Health Checks
Testing:	PHPUnit, Pest, TDD, Paratest (parallel test execution)
API Documentation:	Scramble (auto-generated OpenAPI), L5-Swagger
Other:	Livewire, Spatie Multitenancy, Spatie Permission (RBAC), Feature Flags (GrowthBook/FeatBit), Cloudinary, BunnyCDN, Aply (realtime), Twilio, Google Calendar API

EMPLOYMENT HISTORY

Senior Backend Developer — Squadio (Contract) · Client: Gathern (Remote)

Jan 2025 – Present · *Embedded via Squadio into Gathern's engineering team — a Saudi hospitality/PropTech platform.*

- Contributed across several microservices and a Yii2 monolith in a distributed, service-oriented architecture backed by MongoDB and gRPC inter-service communication.
- Designed and implemented the OTA (Online Travel Agency) integration layer end-to-end — including hotel availability checks, room type confirmation, dynamic pricing resolution, and unit availability orchestration with concurrent pricing lookups via DTOs and service-layer abstractions.
- Architected the bulk offer and discount management system in the pricing microservice, implementing batch job processing for multi-unit offer creation, discount conflict validation, and offer group lifecycle management.
- Built the performance insights dashboard backend, implementing MongoDB aggregation pipelines with host-scoped authorization, neighborhood filtering, and reservation metrics — optimized with selective column loading and eager loading to reduce memory footprint.

- Engineered the unified chalets/units listing API in the properties microservice, adding filterable, sortable endpoints with area-based scoping and middleware for effective user ID resolution.
- Developed a custom FeatBit PHP SDK to enable feature flagging across Laravel services, including automated CI with GitHub Actions, namespace restructuring, and environment variable management.
- Implemented claims statistics and detail pages in the monolith and feedback service, including date-range filtering with caching, product-type classification, and comprehensive unit test suites raising coverage from ~5% to ~90% on key services.
- Optimized the unit points aggregation system in the search microservice, resolving data discrepancies between table and detail endpoints and implementing pagination with chalet-scoped filtering.
- Authored production test suites for the chat service, enhancing ChatSearchHelper and ConversationService test coverage with dependency injection patterns and MongoDB model isolation.

Engineering Team Lead — NQB8 Limited (Remote)

Dec 2020 – Present · *Product Studio · Promoted from Software Engineer to Engineering Team Lead*

NQB8 builds and operates sub-companies across logistics, government, healthcare, and residential management. Progressed to Engineering Team Lead, currently leading engineering for Send24 and CLRD while building Residifi from scratch.

Send24 (formerly Dilivva) — Logistics Platform · *Engineering Team Lead*

- Architected and built the entire logistics backend from initial commit to production — managing order creation, routing, assignment, tracking, and fulfillment.
- Designed wallet-based payment flows with debit validation, credit processing via bank transfer matching with Slack alerts for unmatched transactions, and corporate subscription-based auto-apply pricing.
- Implemented end-to-end PDF invoice generation system with Google Drive storage, invoice number sequencing, VAT calculation for addons and base prices, and per-order invoice status tracking.
- Engineered WhatsApp-integrated order creation pipeline supporting geocoded addresses, base64 image uploads, session tracking, and automated payment confirmation notifications to WhatsApp agents.
- Built an operations dashboard with role-based access control (super-admin, admin, customer care, operations), tracking code generation with backfill commands, and hub assignment management.
- Integrated Paystack payment processing, Google geolocation services, OTP authentication, and disposable email filtering — with Honeybadger error tracking and Laravel Pulse for performance monitoring.
- Containerized the application with production-ready Dockerfiles including PHP 8.2, Apache, RabbitMQ extensions, PostgreSQL, and Supervisor for queue workers.

CLRD — Government Logistics & Regulatory Platform · *Engineering Team Lead*

- Architected a microservice-based platform for government logistics regulation, consisting of separate accounts and payments services communicating via RabbitMQ.
- Designed and implemented the courier onboarding pipeline with multi-step registration (company information, contact person, director details, business profile, license and document uploads) with validation and notification workflows.
- Integrated CAC (Corporate Affairs Commission) business verification with response caching for identity validation during courier registration.
- Built vehicle and rider management with QR code generation, asset registration payment processing, and license application workflows.
- Implemented Remita payment gateway integration with webhook handling for government payment processing and PDF receipt generation.

Residifi — Residential Management Platform · *Sole Developer*

- Designed a multi-tenant residential management system using Spatie Multitenancy with Livewire Volt interfaces, supporting visitor access code management, resident onboarding, and demo request handling. Implemented resident import via Excel with tenant-scoped access, rate limiting, and optimized queries with eager loading.

Axocheck — Healthcare/Optics Platform · *Core Developer (handed over to client)*

- Developed core features including Paystack/Stripe/Braintree payment integrations, professional payout scheduling, secure database models with strict access controls, and customer detail management via external payment APIs.

Earlier Projects:

- **WriteRight** (sole developer): Built a content verification platform end-to-end — user authentication, email verification flows, and the complete API from schema design to deployment.
- **Drop24** (sole developer): Designed and shipped a delivery/drop service API with wallet debit transactions, courier signup flows, and status-filtered request management.
- **Merchant Payment Gateway**: Implemented loan request functionality and merchant detail retrieval endpoints with tokenized user authentication.
- Conducted code reviews across team projects and mentored junior developers on Laravel best practices, database design, and API architecture.

Backend Developer — Clafiya Limited (Remote)

Apr 2023 – Apr 2025 · *HealthTech*

- Engineered automated wallet top-up and recurring payment systems using tokenized payment mandates with direct debit, including rollback-safe HSA (Health Savings Account) balance transfers and scheduled debit orchestration across daily, weekly, and monthly cycles.
 - Designed and implemented accruing spend limit enforcement for employer-sponsored Health Savings Accounts, with sponsor-controlled toggles, monthly carryover logic, and validation across admin-initiated and employee-initiated bill creation flows.
 - Refactored service provider payment processing into centralized, queue-driven workflows — consolidating bank transfer logic, handling discount-based payouts, and adding Slack notification pipelines for failed transfers and manual debit references.
 - Built the external API integration layer using a dedicated Laravel service with Kafka-based event dispatching for consultation data synchronization, payment webhook handling, and cross-system appointment creation.
 - Developed a Symfony 6 API gateway (clafiya-api-integration-service) using API Platform, Doctrine ORM, and JWT authentication for secure third-party API key management and issuance.
 - Implemented healthcare consultation APIs for external partners, enabling base64 file processing for medication and diagnostic orders, appointment creation with Google Calendar sync, and therapy session management.
 - Integrated Typesense full-text search via Laravel Scout, Mixpanel analytics tracking, and Algolia for provider/service discovery across the platform's 75+ models and 144 controllers.
-

SELECTED FREELANCE & INDEPENDENT PROJECTS

Venspace — Space Booking & Marketplace API

Jan 2025 – Present

- Architected a multi-tenant space booking platform using Spatie Multitenancy with custom domain support, DNS verification middleware, and tenant-scoped data isolation across all endpoints.
- Designed and implemented a state machine-driven booking lifecycle — replacing a legacy BookingRequest model with a unified Booking model supporting initiated → confirmed → active → completed states, with automated host response deadlines and expiration commands.
- Engineered dual-ledger wallet systems with virtual account payment tracking, rollback-safe payout workflows, gift card redemption, and dispute resolution for stale transfers.
- Implemented KYC verification with BVN field validation, identifier hashing and encryption for PII protection, and branding customization per tenant.
- Built a POS (Point of Sale) module supporting walk-in bookings with guest user creation, virtual account payment retrieval, and transfer management endpoints.
- Integrated Aply for realtime notifications, BunnyCDN for file storage, OTP authentication via SMS, and Honeybadger for error monitoring — with Spatie Health Checks and Laravel Pulse for system observability.

- Developed StudioOS integration layer with comprehensive end-to-end tests covering tenant registration through booking completion, and subscription webhook handling with Paystack.

Laurel Checks — Employee Verification Platform

Sep 2023 – Present

- Designed and built a multi-tenant employee background verification platform end-to-end with Livewire-powered admin interfaces and enforced RBAC via Spatie Permission.
- Implemented asynchronous employee batch import pipeline with Excel parsing (Maatwebsite), chunk-based processing, error tracking per row, data normalization, and email notifications on completion with error attachments.
- Built Cloudinary-based file synchronization for document backup and retrieval, with checksum-based idempotent uploads to prevent duplicates and migration tracking via a dedicated sync model.
- Developed guarantor and referee report generation as downloadable PDFs (DomPDF), with approval workflows supporting secondary email notifications and status-driven access controls.
- Engineered deployment automation scripts with SSH-based remote execution, permission fixes, backup creation with exclusion rules, and environment-aware configuration management.
- Added system health monitoring via Spatie Laravel Health, automated backups via Spatie Backup with Cloudinary and email fallback, and centralized logging service with comprehensive error documentation.

Alma — Multi-Tenant Alumni Platform API

Jul 2024 – Present

- Architected a multi-tenant alumni association platform supporting membership management, event organization, job postings, career advice, and social features with association-scoped data isolation.
 - Implemented ledger-style financial workflows with Paystack integration — including payment intent tracking, allocation audit tables, outstanding payment handling, transaction charge calculation, and per-association subscription fee configuration.
 - Developed event-driven subscription lifecycles with status management, dues tracking (outstanding/paid), and payment insights endpoints showing total paid and owing amounts per association member.
 - Delivered role-based access control across 90+ API endpoints using Spatie Permission, with user subscription and association status enforcement at the resource layer.
 - Integrated auto-generated API documentation via Scramble, Cloudinary for media uploads, and Laravel Nightwatch + Pulse for production observability.
-

EDUCATION

Bachelor of Science (Computer Science) — University of Ibadan · Feb 2016 – Feb 2020