

# AYO AKENROYE

## BACKEND ENGINEER

Portfolio: <https://dejii.xyz> | GitHub: <https://github.com/aayodejii> |

LinkedIn: <https://linkedin.com/in/ayodeji-akenroye>

## Professional Profile

Backend engineer with 5+ years of experience building and operating Django-based systems in production. Strong focus on asynchronous processing, API performance, and reliability under real-world constraints. Experienced in reducing latency, stabilizing backend workloads, and designing systems that remain predictable as usage grows.

## Skills

Backend Development | API Design | Async Processing | Database Optimization | Observability

**Tools:** Python | Django | Django Rest Framework | Redis | Celery | Docker | Grafana | Prometheus | Sentry | GitHub Actions | Linux | AWS | Nginx | Apache | PostgreSQL | MySQL | SQL | Git

## Professional Experience

### Your Next Role Ltd.

Birmingham, UK (Remote)

#### Backend Engineer

Jan 2025 – Till Date

- Architected and built a multi-step AI workflow orchestration system using Django and Celery.
- Designed and implemented a tiered subscription system covering plan management, usage quota enforcement, webhook lifecycle handling and per-plan discount toggling.
- Implemented affiliate conversion tracking, notification dispatch and monthly usage reset automation via scheduled Celery tasks.
- Built a quota management service as a single source of truth for all plan-based feature gates, ensuring consistent enforcement across the orchestration pipeline, task workers and API layer Celery.

### Amdari Ltd. (Contract)

Manchester, UK (Remote)

#### Software Engineer

Jan 2025 – May 2025

- Delivered backend functionality for an AI-powered job platform, collaborating with data scientists to integrate ML-driven matching logic into production APIs.
- Contributed to backend services for an e-commerce system with analytics and sentiment-driven features.
- Focused on API design, background processing, and data flow between services rather than UI development.
- Mentored junior developers on development workflows and system design fundamentals.

### The Casting Place Ltd.

Lagos, Nigeria

#### Software Engineer

Apr 2022 – Nov 2024

- Built and maintained backend services for a production casting platform supporting auditions, in-app messaging, and social feeds.
- Took ownership of API performance after slow responses began impacting user engagement.
- Identified query bottlenecks and inefficient request paths, reducing average API response time from 1.8s to 450ms and cutting database query load by 62%.
- Designed backend workflows that decoupled user requests from long-running operations, improving perceived responsiveness and system stability.
- Worked closely with product and business stakeholders to translate requirements into backend behavior that could evolve without repeated rewrites.

- Reworked a backend architecture that struggled under increasing load, improving scalability and maintainability.
- Implemented background processing with Celery and Dockerized services to support asynchronous workloads.
- Improved system responsiveness, reducing server response times by approximately 40%.
- Introduced CI/CD practices that shortened release cycles and reduced deployment friction.

## Education

**Federal University of Technology Akure, Ondo State, Nigeria**

**Bachelor of Technology in Industrial Design**

2018 – 2024