

# AROWOSERE ABDULKHABEER AYODEJI

Backend Software Engineer

+234 8168905506 | [arowosere.ak@gmail.com](mailto:arowosere.ak@gmail.com) | [linkedin.com/in/arowosere-ak](https://linkedin.com/in/arowosere-ak)

[github.com/Maxim-LD](https://github.com/Maxim-LD) | [arowosere-abdulkhabeer-portfolio.vercel.app](https://arowosere-abdulkhabeer-portfolio.vercel.app)

Lagos, Nigeria

## PROFESSIONAL SUMMARY

Backend Engineer with 2+ years of experience building scalable web applications and APIs. Proficient in Node.js, Express.js, TypeScript, PostgreSQL, MongoDB, and Redis. Skilled in optimizing API performance by up to 50% and implementing CI/CD pipelines for smooth deployments. Applies Object-Oriented Programming (OOP) and SOLID principles to write clean, maintainable, and modular code. Passionate about solving real-world scalability and reliability challenges through well-structured backend systems.

## TECHNICAL SKILLS

**Backend:** Node.js, Express.js, TypeScript, JavaScript

**DevOps:** Git, CI/CD, Postman, Docker

**Databases:** PostgreSQL, MongoDB, MySQL, Prisma, Redis

**Security:** Authentication, JWT, OWASP, HTTPS

**Architecture:** Microservices, Monolithic, REST APIs, WebSocket

**Others:** RBAC, API caching, Cron Jobs, Rate Limiting, Testing (Jest, Supertest)

## PROFESSIONAL EXPERIENCE

### Backend Developer (Volunteer) — ScholarGuide TECH — Remote

2025 – Present

- Built secure APIs for user roles (Admins/Teachers/Students) using JWT and RBAC.
- Developed endpoints for study plans, tracking, learning resources, and analytics.
- Integrated AI-powered features for smart course recommendation and chat support
- Reduced API response time by 30% with Redis caching and optimized MongoDB queries.
- Implemented input sanitization, rate limiting and centralized error handling.
- Used .lean() and .populate() to improve database query performance by 40%.

### Backend Developer — Sweetened Cleaning Services — Freelance - UK

2025

- Built backend APIs with Node.js and Express to manage client inquiries and service listings
- Integrated mailing service to send automated responses and notification to clients.
- Collaborated with frontend developer to deliver a seamless booking and inquiry experience
- Ensured scalable and maintainable code structure for future expansion

### Backend Development Intern — InternPulse — Remote

2024 – 2025

- Built core backend for Pedmonie, a digital payment platform using Node.js and Express.
- Integrated Stripe and Paystack, with webhook validation, and managed retries for failed transactions.
- Designed modular, reusable API controllers and service layers for scalability.
- Wrote unit and integration tests using Jest and Supertest, achieving 80%+ coverage.
- Collaborated in Agile sprints, version control (Git), peer reviews, and performance monitoring.

## EDUCATION

### Software Engineering Certification

2024

Access Bank - Career X Youthrive

### Bachelor of Technology (BTech) in Physics

2019 – 2024

Federal University of Technology, Minna Niger State