

AROWOSERE ABDULKHABEER AYODEJI

Backend Software Engineer

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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
<ul style="list-style-type: none">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 supportReduced 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 — Sweeteened Cleaning Services — Freelance - UK	2025
<ul style="list-style-type: none">Built backend APIs with Node.js and Express to manage client inquiries and service listingsIntegrated mailing service to send automated responses and notification to clients.Collaborated with frontend developer to deliver a seamless booking and inquiry experienceEnsured scalable and maintainable code structure for future expansion	
Backend Development Intern — InternPulse — Remote	2024 – 2025
<ul style="list-style-type: none">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 Access Bank - Career X Youthrive	2024
Bachelor of Technology (BTech) in Physics Federal University of Technology, Minna Niger State	2019 – 2024