

Oluwatosin Amokeodo

Lagos • <https://linktr.ee/oluwatosina> • [linkedin.com/in/oluwatosin-amokeodo](https://www.linkedin.com/in/oluwatosin-amokeodo)
oluwatosin.amokeodo@gmail.com • +2348032168636

Senior Software Engineer

With 8+ years of backend engineering experience, proficient in API design, integration, and performance optimization. Expertise in enhancing operational efficiency by up to 75% and improving key metrics by over 50%. Demonstrated success in automating critical processes and reducing manual workload by 60 in just a few months.

WORK EXPERIENCE

SEOMonitor • Bucharest, Romania

Senior Backend Engineer • Contractor

03/2022 – Present

- Architected and optimized a keyword explorer system using PostgreSQL (Citrus), improving query performance by 40% while managing 80TB+ of data
- Developed scalable APIs and SDKs in Python (Django, Flask) and PHP (Laravel, Symfony), enabling seamless integration for 600,000+ clients, and reducing manual workflows by 75%.
- Optimized database queries using MySQL and PostgreSQL, improving search response times by 30%
- Implemented distributed task processing with RabbitMQ, Redis, and Docker, ensuring efficient handling of background jobs at scale.
- Enhanced application monitoring with Grafana, New Relic, Kibana, and Sentry, reducing downtime by 35% through proactive alerting.

MTC Media • Dundee, Scotland

Senior Backend Engineer • Contractor

04/2024 – 08/2024

- Designed and built the Website Optimizer, analyzing database queries and page speed for 1,000+ websites, improving performance by 35%.
- Developed APIs for BigCommerce, Google Commerce, and Facebook Marketplace, enabling bulk product uploads, increasing operational efficiency by 50%.
- Integrated multiple payment gateways (Stripe, PayPal, Google Pay, Amazon Pay, Alipay, Razorpay, Paystack, Flutterwave, etc.) across 100+ websites, enhancing transaction security and reliability.
- Implemented CI/CD pipelines for automated deployments, reducing release cycle time by 40% using Docker and AWS ECS.

Jumia Group • Lisbon, Portugal

Senior Backend Engineer • Contractor

09/2023 – 05/2024

- Automated background processes with CLI scripts in Python, reducing manual operations by 60% and enhancing decision-making speed.
- Optimized Seller Center APIs for product addition, validation, and approval, decreasing processing times by 30%.

SKILLS

- AI Agent Development
- API Development
- API versioning and documentation
- Application Security
- AWS
- Bitbucket
- Citus
- Cucumber
- Database Architecture
- Django
- Docker
- Flask
- Git
- GitHub
- JWT
- Laravel
- Microservices
- Multi-tenant routing
- MySQL
- OAuth2.0
- Pest
- PHP
- PHPUnit
- PostgreSQL
- Python
- RabbitMQ
- Redis
- Scalable APIs
- Sentry
- Smart Contract
- Solidity
- Symfony
- Third-party integrations
- Xdebug

- Built an SDK to enable seamless data exchange between microservices, streamlining integrations for 500,000+ sellers.

Gokada • Lagos, Nigeria

Backend Engineer • Contractor

10/2021 – 11/2022

- Designed the Batch Order System using Django, PostgreSQL, and Redis, optimizing order processing by 60%.
- Developed a secure authentication system with JWT and OAuth2.0, reducing unauthorized access attempts by 95%.
- Built performance-tracking APIs for drivers and riders, increasing operational efficiency and boosting revenue by 45%.
- Integrated multi-tenant support for third-party applications, enhancing partner adoption by 35%.

Univasa • Lagos, Nigeria

Software Developer • Contractor

09/2020 – 09/2021

- Developed APIs for managing 400,000+ riders and 5,000+ drivers, ensuring 80% faster ride-hailing operations.
- Engineered a marketing campaign system, reaching 200,000+ new customers, increasing engagement by 25%.
- Built PCI-compliant payment APIs, reducing fraudulent transactions by 40% and improving payment success rates by 30%.

Alphacx • Lagos, Nigeria

Lead Backend Engineer • Contractor

04/2021 – 08/2021

- Led the architectural design of a customer ticketing system, onboarding 6M+ users.
- Implemented security best practices with AWS WAF, XSS/CSRF protection, and rate limiting, eliminating 95% of security vulnerabilities.
- Developed APIs for payment processing and admin dashboards, increasing transaction speed by 50%.

Mtech Communication • Lagos, Nigeria

Software Developer • Contractor

04/2020 – 03/2021

- Enhanced user engagement by 60% within 3 months by developing gaming APIs for 70,000+ users, ensuring seamless performance and reliability.
- Designed APIs for unifying club names and game types across multiple bookmakers, ensuring the coherence and precision of data. This implementation eradicated errors and user confusion, resulting in 100 data reliability.
- Created an administrative dashboard to monitor compliance, ensuring 100% industry regulation adherence.

Skopos • Lagos, Nigeria

Software Developer • Full-time

10/2016 – 02/2020

- Engineered high-performance banking APIs, boosting customer acquisition by 65% and cutting transaction times by 80% through optimized data handling.

- Developed a logistics management system that facilitated 80% growth for partner businesses by streamlining operations and enhancing efficiency within 6 months.
- Engineered APIs tailored for financial institutions to effectively manage customer transactions, resulting in a remarkable 100% reduction in the risks associated with errors and fraud.

EDUCATION

PGD in Cloud Computing	05/2023 – 01/2024
University of Texas • Texas, USA	
Diploma in Web Development	04/2016 – 10/2016
Alabian Solution • Nigeria	
BA in Philosophy & Logic	11/2010 – 12/2014
University of Lagos • University of Lagos, Nigeria	

CERTIFICATIONS

Agile Methodologies	03/2021 – 06/2021
IBM	
Web Development	03/2021 – 01/2021
IBM	

VOLUNTEERING & LEADERSHIP

Tech Community & Open Source Contributions	03/2024 – 02/2025
Mentor • Lagos, Lagos	
Founded and led the Tech with Guild community, fostering knowledge sharing, workshops, and networking for tech professionals.	

PUBLICATIONS

Vanguard News	03/2025
https://www.vanguardngr.com/	
Authored: From Global Tech to Finance: Oluwatosin Amokeodo Envisions Building Smarter Financial Solutions	
Guardian Nigeria	03/2025
https://guardian.ng/	
Building the future of AI-Powered Personal Finance: Oluwatosin Amokeodo’s vision for smarter expense management	
The Nigerian Institution of Mechanical Engineers	10/2020
Journal of Nigerian Institution of Mechanical Engineers	
Published a journal on A System Design Methodology of Online Learning For Stem Education and Training in Nigerian Engineering Schools	