

# OLUWATOSIN AMOKEODO

## Senior Backend Engineer

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Portfolio: <https://linktr.ee/oluwasosina>

## WORK EXPERIENCE

### Senior Backend Engineer

#### SEOMonitor

03/2022 - Present Remote

- Engineered a robust keyword explorer system leveraging PostgreSQL with the Citus extension, enhancing performance by 40% and efficiently managing a data volume exceeding 80TB.
- Designed and implemented APIs and SDKs to support seamless integration for over 600,000 clients, streamlining operations and reducing manual workflows by 75%.
- Developed APIs for keyword ranking, domain analysis, and SERP feature tracking, empowering businesses with actionable insights and enabling data-driven decision-making.

### Senior Backend Engineer

#### MTC Media

04/2024 - 08/2024 Remote

- Designed and implemented the Website Optimizer, a tool for analyzing website speed and database queries. This solution optimized over 1,000 websites, improving key performance metrics by 35%.
- Architected APIs for BigCommerce, as well as API feeds for Google Commerce and Facebook Marketplace. These integrations enabled customers to upload millions of products seamlessly, improving operational efficiency by over 50%.
- Developed tools for data migrations, integrated Google Analytics and Google Tag Manager, and enhanced website security to meet modern standards.
- Successfully implemented multiple payment gateways, including Stripe, PayPal, Google Pay, Amazon Pay, Alipay, WorldPay, Razorpay, Interswitch, Flutterwave, Pystack, MoniePoint, Opay, and Paga, across 100+ websites.

### Senior Backend Engineer

#### Jumia Group

09/2023 - 05/2024 Remote

- Developed CLI scripts to automate critical background tasks, including seller product aggregation, product clean-up, daily and year-over-year product analysis, review analysis, and active seller tracking. This automation enhanced decision-making processes and improved the prioritization of seller-related initiatives.
- Optimized the Seller Center application by refining APIs for product addition, validation, and approval. Built an SDK to facilitate seamless data transfer between services, reducing manual workflows by 75%.
- Designed and deployed public APIs and an SDK, simplifying integration for over 500,000 sellers and enabling efficient interaction with the company's services.

## SUMMARY

Experienced Backend Engineer with 8+ years of expertise in designing, building, and deploying scalable APIs, microservices, and robust backend architectures. Proficient in Python (Django, Flask), PHP (Laravel, Symfony), and Solidity for smart contract development. Skilled in database management with MySQL and PostgreSQL, and experienced with Docker, RabbitMQ, Redis, and AWS to deliver high-performance, efficient systems.

## SKILLS

- Programming Languages:** Python, PHP, Solidity
- Frameworks:** Django, Flask, Laravel, Symfony, Hardhat, Foundry
- Web Applications:** Logistic Management Systems, Marketplace Platforms, Customer Management Systems, Developers' Tools (Website and CV Builders), HR Tools, Admin Dashboards, Learning Management Systems
- Tools & Technologies:** Docker, RabbitMQ, Redis, AWS, BigQuery, Grafana, Jenkins, Capistrano, Swagger, Apicur
- Performance Optimization:** Caching mechanisms, Asynchronous processing, API versioning, Query optimization
- Security:** JWT, OAuth2.0, Data sanitization, Throttling, XSS and CSRF protection
- Monitoring & Logging:** Grafana, New Relic, Kibana, Sentry
- Databases:** MySQL, PostgreSQL (Citus for sharding and scaling)
- Concepts:** Microservices, API Development, Database Architecture, Application Security, Smart Contract
- Testing & Debugging:** PHPUnit, Pest, Cucumber, Xdebug, Sentry
- Version Control:** Git, GitHub, Bitbucket
- API Development:** Scalable APIs, third-party integrations, multi-tenant routing, API versioning and documentation

## LANGUAGES

English: Native  
Yoruba: Native

## EDUCATION

#### University of Texas

- PGD Cloud Computing

05/2023 - 01/2024 USA

#### Alabian Solution

- Diploma in Web Development

04/2016 - 10/2016 Nigeria

#### University of Lagos

- Bachelor of Arts in Philosophy and Logic

11/2010 - 12/2014 Nigeria

## Backend Engineer

### Gokada

10/2021 - 11/2022 Remote

- Designed The Batch Order System's architecture and APIs which helped in the effective and efficient management of orders by 60%.
- Implemented an administrative dashboard system that improves the effectiveness of assigning batch orders to drivers, updating order statuses, verifying batch orders, and configuring order constraints, resulting in a significant 40% increase in efficiency.
- Built secure APIs for token and OTP generation and validation, leveraging Infobip SMS services. These APIs significantly enhance system security, eliminating the risk of unauthorized access or data breaches with a 100% success rate.
- Implemented performance tracking APIs for riders and drivers, empowering the company to reward exceptional performance and attain a notable 45% boost in revenue.
- Developed APIs that facilitate seamless integration of the Batch Order System into third-party applications, simplifying the usage and integration process for over 10,000+ dispatch partners. This effort resulted in a 35% increase in widespread adoption and contributed significantly to the company's overall success.

## Lead Backend Engineer

### Alphacx

04/2021 - 08/2021 Remote

- Headed the architectural planning of a customer ticketing application, encompassing modules such as Helpdesk, Ticketing, Help Center, Self-Service Portal, and Conversation Inbox. Facilitated the onboarding of over 6,000,000 users onto the platform.
- Crafted the security aspects of the application, encompassing policies, user roles, permissions, application security, and Active Directory setups, fortifying the system's defences and mitigating the potential for unauthorized access or data breaches with a flawless success rate of 100%.
- Constructed APIs for payment processing, SMS services, and administrative dashboards, delivering valuable analytics on the company's performance with an impressive 55% overall improvement.

## Software Developer

### Univasa

09/2020 - 09/2021 Remote

- Engineered and created APIs for overseeing the activities of 400,000+ Riders and 5,000+ Drivers within the application, enabling the company to deliver an 80% expedited, dependable, and seamless ride-hailing experience for both riders and drivers.
- Designed Riders and Drivers' campaigns system that helped the company to reach out to more than 200,000+ potential customers and 6,000+ drivers, increasing their user base and improving their services by 25%.
- Developed an API for payment transactions to help the company manage its payment processing more efficiently and securely, reducing the risk of errors or fraudulent activities significantly.
- Designed and Implemented an Executive Insights Dashboard that illuminates the company's performance with a substantial 50% increase in valuable analytics.

## Software Developer

### Mtech Communication

04/2020 - 03/2021 Remote

- Developed game-playing APIs for multiple bookmakers, granting over 70,000+ users access to a diverse selection of games, expanding their choices, and enhancing their overall gaming experience by an impressive 60%.
- Designed APIs for unifying club names and game types across multiple

### International Business Machine (IBM)

03/2021 - 06/2021 Nigeria

- Agile Intro 2021

### International Business Machine (IBM)

03/2021 - 01/2021 Nigeria



- Web Development 2021

bookmakers, ensuring the coherence and precision of data. This implementation eradicated errors and user confusion, resulting in 100% data reliability.

- Architected an administrative dashboard to oversee users' activities within the application, guaranteeing adherence to regulations and policies while bolstering the application's security 100% improvement.

## Software Developer

### Skopos

 10/2016 - 02/2020  Remote

- 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.
- Created banking APIs encompassing functionalities such as account creation, deposits, fixed deposits, loan requests, and loans. This facilitated a 75% increase in customer acquisition for the bank.
- Engineered APIs for a logistics management system that enables new logistics businesses to operate smoothly, expand their market presence, and generate additional revenue streams with an impressive 80% growth rate.