

OSARO IGBINOVIA

SENIOR BACKEND ENGINEER

Lagos, Nigeria (GMT +1)

Mobile: +234 705 393 8894

Email: emmyigbinovia@gmail.com

linkedin.com/in/osaroigb

[GitHub](#)

[Website](#)

BACKEND DEVELOPMENT | DEVOPS | CLOUD INFRASTRUCTURE | MICROSERVICES ARCHITECTURE

Senior Backend Engineer with 6+ years architecting high-performance distributed systems. Led teams building real-time trading platforms (30% volume increase), blockchain infrastructure (\$200K grant secured), and AI-powered applications serving 10K+ daily users. Expertise in Node.js/Python microservices, AWS & Azure cloud migrations (20% cost reduction), and payment integrations (15% error reduction). Seeking to drive technical excellence and business growth at scale.

TECHNICAL SKILLS OVERVIEW

Backend Development:

Python • Node.js • TypeScript • Django • FastAPI • Express.js • NestJS • Flask

Databases:

PostgreSQL • MongoDB • Redis • MySQL • Cosmos DB • Cassandra • InfluxDB

Cloud & DevOps:

AWS • Azure • Docker • Kubernetes • CI/CD • Terraform

System Design:

Microservices • REST APIs • GraphQL • Event-Driven Architecture • Message Queues

Tools & Practices:

Git • Agile • TDD • SOLID • Domain-Driven Design • Performance Optimization

SELECTED ACHIEVEMENTS

- Secured \$200K SSV Network grant through successful blockchain integration at BlockOps Network, architecting distributed node infrastructure that reduced deployment failures by 20% and enabled 99.9% uptime for web3 services
- Architected real-time trading infrastructure at Rise (10K+ users, \$50M+ AUM), implementing secure payment gateways and SSE-based systems that increased trading volume by 30% and reduced transaction processing time by 40%
- Built serverless AI assistant platform at Rekka AI using Azure Functions and Service Bus, integrating ChatGPT and Bland AI to automate 5,000+ daily WhatsApp interactions with 26% faster deployment cycles
- Reduced payment failures by 15% and increased subscription conversions by 10% at BlockOps by engineering robust Stripe payment flows with retry logic and optimized checkout experience
- Migrated critical infrastructure from AWS to Digital Ocean, achieving 20% cost reduction (\$40K annual savings) while maintaining zero-downtime deployment across 3 production environments

PROFESSIONAL EXPERIENCE

<div><div>Rise Lagos, Nigeria</div><div>Senior Backend Engineer</div></div>	<div>Nov 2024 – Present</div> <ul style="list-style-type: none">Led the backend revamp of Hisa 2.0, including secure user onboarding (BVN, ID, document verification), advanced passcode/password auth with device tracking, and step-up authentication — strengthening account security for over 10,000+ users.Designed and implemented market data and trading integrations with Intrinio and Alpaca APIs, enabling real-time asset screening, ETF lookups, historical trades, and live pricing — directly powering Hisa’s investment platform.Engineered robust real-time infrastructure using Server-Sent Events (SSE) for trading, KYC, and admin workflows, significantly reducing support turnaround by providing live status updates across the platform.Built the new Hisa Collection System and Trade System, including features like user-curated stock collections, screened securities, and order placement — contributing to a 30% increase in daily trading volume during pilot rollout.
<div><div>BlockOps Network Delaware, USA</div><div>Senior Backend Engineer</div></div>	<div>Jun 2023 – Mar 2025</div> <ul style="list-style-type: none">Integrated Stripe payments reducing errors 15% and boosting subscriptions 10% through retry logic and optimized checkout flow.

- Secured a \$200K SSV Network grant by integrating blockchain staking infrastructure and optimizing node orchestration reliability by 20%.
- Implemented 'Obol', 'Ethereum' and 'SSV' network for appchain node deployment, leading to optimized network performance and reliability, and a 20% reduction in deployment failures.
- Deployed GitHub OAuth integration and Google SSO in the backend, leading to improved user security and authentication and a lower number of unauthorised access attempts.
- Led the integration of the SSV network into two core products, Mission Control (node deployment) and Telescope (monitoring & observability).

Vendease | Lagos, Nigeria Backend Engineer

Sep 2024 – Feb 2025

- Built a review system allowing each restaurant featured on OpenSauce (a comprehensive platform for restaurant discovery, review management, and online ordering) to host multiple reviews, deployed user account updates, including secure handling of profile information, and setup/configured NATS server to enable reliable, event-driven communication between services.
- Developed functionality to automatically create and update restaurant profiles in OpenSauce whenever new businesses were onboarded in the RMS.
- Successfully deployed microservices to Kubernetes clusters for high availability and used Docker for containerising services.

Ajay Tech | Port Harcourt, Nigeria Python Developer

Feb 2024 – Feb 2025

- Developed and deployed backend in Python for multiple projects that have included a Payment Management Bot integrated with Google Sheets, a Mullvad Code and Account Management System using Django and MySQL, and a Currency Converter API with Python and Flask.
- Designed and built command handlers and APIs resulting in facilitating operations including customer management, payment recording, and currency conversion, reducing manual effort by 40%.
- Ensured accurate currency conversion rates, reduced external API requests and boosted service reliability, after integrating with the Open Exchange Rates API.

Resplach Inc. | Delaware, USA Senior Backend Developer

Feb 2024 – Jul 2024

- Developed and implemented CI/CD pipelines for Rekka AI, an advanced personal assistant platform, using GitHub Actions for the deployment of Azure serverless functions, reducing deployment times by 26%.
- Built core application logic using Object-Oriented Programming principles and Singleton patterns, and optimised repository layers to ensure efficient data persistence and retrieval.
- Successfully implemented Slack notifications to keep the team informed on deployment status, resulting in improving both team collaboration and communication.

Talen AI | Lagos, Nigeria Backend Developer

Oct 2022 – Dec 2023

- Engineered server architectures to handle large-scale operations for TalenAI, an AI-driven recruiting platform that streamlines global candidate sourcing, connections, and recruitment processes.
- Developed an abstraction layer that managed product APIs and hundreds of customer APIs, improving both adaptability and integration speed.
- Reduced page load times by 20% through fine tuning MongoDB queries.

EARLIER CAREER SUMMARY

Software Engineer, THCO (May 2020 to Oct 2022)

Software Engineer Intern, Cradle (Sep 2019 to May 2020)

EDUCATION

Bachelor of Science in Electrical Electronics Engineering, University Of Lagos

Master of Science in Computer Science (Distributed Systems), Georgia Institute of Technology