

Lukmon Abdulsalam

Senior Backend Engineer | Distributed Systems Specialist

Lagos, Nigeria | Abdulsamlukmon9@gmail.com | [LinkedIn/Portfolio](#)

Professional Summary

Senior Backend Engineer with 5+ years of experience designing and scaling high-performance distributed systems using **Go, Python, TypeScript, Ruby, and Rust**. Proven expertise in microservices architecture, API design, and real-time systems, with a track record of reducing engineering overhead by 30–60% through optimizations like **gRPC, WebRTC, and event-driven patterns**. Core contributor at Google DevFest Lagos (2022–2024)..

Technical Skills

Languages: Go, Python, TypeScript, Rust, Ruby

Backend Frameworks: FastAPI, NestJS, Gin (Golang), Actix (Rust)

Distributed Systems: Microservices, Saga Pattern, gRPC, Protobuf, Buf, REST, GraphQL

Databases: PostgreSQL, MongoDB, Redis

CI/CD & Testing: GitHub Actions, Jenkins, SonarCloud, Jest, Pytest, Pactum

Real-Time Systems: WebRTC, Socket.io, Message Queues (RabbitMQ, Kafka)

Blockchain: Solana, Solidity Smart Contracts, Zero Knowledge Developer using Mina & Cairo

Professional Experience

Senior Backend Engineer

Numerisbook | Abuja, Nigeria | Nov 2024 – Present

- Optimized interservice communication across 11 microservices by replacing REST/queues with **gRPC + Saga Pattern**, reducing engineering time by 30%.
- Centralized Protobuf management using Buf, improving API consistency and developer productivity.

Senior Backend Engineer

Foniso | Lagos, Nigeria | Dec 2023 – May 2024

- Built real-time media streaming using WebRTC & Socket.io, increasing customer acceptance by 70%.
- Enhanced network programming skills through low-latency video/audio transmission architecture.

Senior Backend Engineer

Dynage Technologies | Lagos, Nigeria | Nov 2021 – Present

- Developed internal tools that improved team workflow efficiency by 50%.
- Mentored 3 junior engineers on **TDD** and **CI/CD**, reducing code review/bug-fix time by 60%.

Senior Backend Engineer

Riby | Lagos, Nigeria | Jun 2022 – Jan 2023

- Led development of an internal support tool, reducing support team workload by 50%.
- Collaborated with cross-functional teams (PMs, frontend) to deliver user-centric solutions.

Senior Robotics Software Engineer

Coderina EdTech | Abuja, Nigeria | Nov 2019 – May 2024

- Designed an IoT communication protocol, cutting training material prep time by 50%.
 - Integrated user analytics pipelines to drive data-driven productivity insights.
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Education and Certification

- MSc in Financial Engineering** | WorldQuant University (Washington DC) | 2023

- Developed a reinforcement learning trading model using Ray.io and OpenAI Gym.
 - **BSc in Mechanical Engineering & Robotics** | University of Lagos (Lagos, Nigeria) | 2018–2023
 - **Certifications:** [Azure DevOps Engineer](#), [GraphQL Associate](#)
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Projects

[Grant Cart \(Blockchain\)](#) | React, TypeScript, Node.js

- Created a Solana grant aggregator using Playwright for web crawling and streamlining funding applications.