

OLAWALE LAWAL

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Senior Software Engineer with nearly seven years building systems that move Money: Nigeria's first Unified split-payment platform at Consonant, growth and reward systems at Kuda Bank, and tax-authority integrations at Deel. I work mostly in .NET and Go, and I'm at my best on the parts of payments that break quietly: idempotency, reconciliation, sagas and the failure cases between providers. Named an ICT Trailblazer in 2024 and featured in Business Insider Africa. Now working on candidate identity verification and deepfake detection at Deel.

TECHNICAL EXPERTISE

- Languages: C#, Go, Rust, Java, PHP, SQL
- Systems & Architecture: Distributed Systems, Microservices, Event-Driven Architecture (Kafka, RabbitMQ), Saga Pattern, API Design, System Integration
- Cloud & Infra: AWS (Lambda, SQS, SNS etc.), GCP, Docker, Kubernetes, Redis, Elasticsearch
- Databases: PostgreSQL, MongoDB, MS SQL Server
- Domains: Fintech, Payment Systems Compliance (PCI DSS), Payroll, Logistics, Reconciliation, ETL

EXPERIENCE

Deel | Remote

Senior Software Engineer, Security ([Clarity](#), Acquired by Deel) Oct 2026 – Present

- Work on identity verification in hiring, including deepfake detection in live interviews
- Building integrations with applicant tracking systems so checks run inside the hiring tools companies already use

Senior Software Engineer, Local Payroll (PaySpace by Deel) Jul 2024 – Oct 2026

- Built a schema designer that turns schema files (XSD, Json Schema, CSV) into output formats each tax authority expects (XML, JSON, Flat files), so connecting a new authority no longer needs bespoke code
- Designed Integration pipelines between Deel Payroll and National Tax Authorities
- Built internal analytics & telemetry tooling to track submission volumes, failures, latency and bottlenecks

Software Engineer (Growth)

Kuda Bank | Lagos, Nigeria

Mar 2023 - Jun 2024

- Designed and implemented referral, loyalty and reward systems, driving user retention and growth.
- Rebuilt "Contact as Friends" to reduce operational costs and simplify making payments to friends.
- Integrated Kafka-based distributed messaging for real-time events

Lead Software Engineer

Consonant Africa | Abuja, Nigeria (Remote)

Jul 2021 – Jan 2023

- Architected Nigeria's first unified transaction platform, enabling real-time split payments across banks, cards and wallets.
- Built a Provider Abstraction Layer standardizing 8+ payment APIs and a Smart Routing Engine handling sub-250ms decisions.
- Implemented a Saga-based Pooled Transaction System guaranteeing atomicity across multi-source payments
- Kept the platform PCI DSS compliant from design through release

Fullstack Software Engineer

Innovantics | Lagos, Nigeria

Jan 2020 – Jun 2021

- Architected a multi-tenant biometric banking platform (3B) for United Bank for Africa, later adopted by multiple Nigerian banks
- Designed mediator and repository layers enabling cross-database support
- Solved critical memory leak and threadpool exhaustion issues during V2 revamp

NOTABLE PROJECTS

- Axl (Ardova Plc): Led development of an AI-powered logistics and journey management platform, reducing operational inefficiencies by 30%
- ETL Reconciliation System: Built a reconciliation system that converts multi-bank statements into MT940 format for ERP automation
- EstateVault & Jaiye: Delivered property management and hospitality/ticketing platforms used across multiple sectors.

OPEN SOURCE

- Quorum (Go + Svelte 5): Multi-Tenant approval engine
 - Standalone maker-checker service with multi-stage workflows, configurable Quorum thresholds and rejection policies
 - Three embeddable web components (Shadow DOM) with SSE realtime updates plus a dev admin console
- Payments Engineering Toolkit (C#)
 - settlement-reconciler: Automated three-way reconciliation engine matching internal records against gateway and settlement files
 - payment-state-machine: configurable, event-sourced state machine modeling the complete payment lifecycle
 - payment-provider-health-check: Real time health monitoring, circuit breaking and intelligent routing for payment provider integrations
 - idempotency-guard: Distributed idempotency middleware for payment APIs using a claim-then-process pattern
- SwaggerDiff.AspNetCore (C#): In-app OpenAPI diff viewer and snapshot CLI for ASP.NET Core APIs
- Observability-Stack (Go): Production-ready Grafana and OpenTelemetry stack for monitoring distributed systems

EDUCATION

BSc in Computer Science with Economics

Obafemi Awolowo University (OAU) | Ile-Ife, Osun State, Nigeria

2015 - 2020