

HARRISON IKPEFUA

Senior Fullstack Engineer

+234 903 846 6961 | harrivic400@gmail.com | Lagos, Nigeria

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Senior Fullstack Engineer with 5 years of experience building payment and business-critical systems; polyglot in Java/Spring Boot, Node.js, and TypeScript. Worked on a subscription service involving card and recurring payments, third-party gateway integrations, PCI-DSS-aligned handling of card data, and NDPR, NDPA 2023, and GDPR obligations around user data. Works across REST and gRPC APIs, microservices and event-driven systems, MySQL, PostgreSQL and MongoDB, and containerised services on AWS with Docker, Kubernetes and CI/CD pipelines. Currently leads a cross-functional team of four at Sage Grey.

SKILLS

Languages & Frameworks: Node.js, TypeScript, NestJS, Java & Spring Boot, Python

Payments & Compliance: Card and recurring payments, subscription billing, external provider/gateway integrations and routing, PCI-DSS-aligned card data encryption, NDPR / NDPA 2023, GDPR, OWASP secure coding, immutable audit trails

Backend & Architecture: REST and gRPC API design, Microservices, Event-Driven Systems, Event Sourcing & CQRS, Object-Oriented Design & Design Patterns, Concurrency & Multithreading, Automated Testing, Agile/Scrum

Cloud & DevOps: AWS (EKS, ECS, Lambda, SQS, SNS, S3, DynamoDB, EC2, IAM, CloudWatch, Amplify), Docker, K8s, CI/CD pipelines, GitHub Actions

Data & Messaging: PostgreSQL, MongoDB, MySQL, DynamoDB, Redis, Kafka, SQS, SNS, transactional outbox

Observability: Prometheus, Grafana, Elasticsearch, CloudWatch

EXPERIENCE

Product Team Lead, SAGE GREY FINANCE

Oct 2024 to Present

Regulated financial institution · Lagos · Team Lead since Apr 2025

- Built and maintained a multi-tenant workflow automation SaaS backend with independently deployable microservices, including a subscription service that orchestrates recurring card payments, retries, and failure recovery end-to-end.
- Integrated AI telephony and LLM models that answer customer questions and support agent-to-customer conversations, then tuned prompts and fallbacks based on how people actually phrased things in production.
- Managed routing and integrations with external payment providers/ gateways and providers, handling card data to meet PCI-DSS secure development requirements through encryption of card details and tightly scoped access to sensitive fields.
- Built the authorization and approval layer with 35+ granular permissions, group-based access controls, and multi-stage approval workflows, then closed out privilege escalation, stored XSS, and new-device auth risks.
- Deliver services under NDPR, NDPA 2023, and GDPR obligations for user data, backed by immutable audit trails that keep every financial and administrative action traceable for compliance.
- Lead a cross-functional team of 3 engineers and a product designer, mentoring juniors through code and design reviews, setting code quality standards, and working spec-first with automated testing and phased releases with monitoring and observability in place, using logs, metrics, and dashboards to trace transactions and diagnose production issues.

Senior Software Engineer, Ajotsome Limited

Apr 2023 to Sep 2024

Fintech savings/thrift platform · Payment integrations & backend reliability

- Developed a digital savings platform that modernized the traditional Nigerian Ajo thrift model; contributed across backend, frontend, and mobile, and led the beta release to 500+ users at 99.9% uptime.
- Integrated external payment providers including Flutterwave and Paystack to run collections, payouts, and recurring payments across the savings cycle, keeping transactions reliable and reconcilable end-to-end.
- Led a cross-functional team of 2 engineers, mentoring juniors through code and design reviews, setting code quality standards, and running the sprint ceremonies the team works to.

Earlier Roles: Software Engineer, Spec (Contract, 2022 to 2023) · Software Engineer, Harrified Tech (2021 to 2022)

PROJECTS

Harrified Ledger (FinCore) Core banking & Ledger systems · [GitHub](#)

- Building an open-source suite of independently deployable microservices forming a double-entry ledger engine that fintechs can license and run in their own environment. Java, Spring Boot, gRPC, Kafka, Gradle.

Core Banking Ledger Node.js, Event Sourcing & CQRS · [GitHub](#)

- Built a core banking ledger prototype in NestJS and TypeScript on event sourcing and CQRS, serving queries from materialized read-side projections and using Kafka with a transactional outbox and idempotent consumers so read and write sides stay consistent.

EDUCATION

M.Sc., Information Technology, Miva Open University

2026 to 2027 (in view)

B.Eng, Chemical Engineering, University of Benin

2019 to 2024