

Sunday Solomon Ogunleye

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Professional Summary

Payment Infrastructure & Site Reliability Engineer with over 5 years of experience designing, implementing, and supporting mission-critical card payment systems within one of Africa's largest financial institutions. Extensive expertise in Postilion, BankWorld, ISO 8583 messaging, HSM administration, transaction routing, disaster recovery, observability, and payment infrastructure modernization. Proven track record delivering zero-downtime production upgrades, building enterprise monitoring solutions using Grafana, Prometheus and custom Node.js exporters, improving payment reliability, and leading strategic implementations across multiple African subsidiaries. Passionate about automation, resilience engineering and building highly available payment platforms.

Core Skills

- **Payment Infrastructure:** Postilion Payment Switch, Card Management Systems, BankWorld, SmartVista, ISO 8583.
 - **Infrastructure & Reliability:** Site Reliability Engineering, High Availability Architecture, Disaster Recovery, Active-Active Design, Load Balancing, Windows Server, SQL Server, VMware, HSM Administration (Thales)
 - **Monitoring & Observability:** Grafana, Prometheus, Node Exporter, Custom Metrics Exporter, Alerting, Performance Monitoring, Transaction Analytics
 - **Development & Automation:** Node.js, Express.js, REST APIs, JavaScript, SQL, Git
 - **Compliance:** PCI DSS, EMV, ISO 8583
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Experience

Technical Support Engineer – Payments Platform

Access	Bank	Plc
October 2023 – Present		
<ul style="list-style-type: none">• Provide Level 3 production support for enterprise card payment platforms processing ATM, POS, eCommerce and digital banking transactions.• Led the successful production upgrade of Access Bank's Postilion payment switch from version 5.5 to 5.6 with zero customer impact.• Successfully coordinated firmware upgrades for production and disaster recovery Thales HSMs while maintaining uninterrupted transaction processing through load-balanced architecture.		

- Designed and implemented enterprise transaction observability using Grafana, Prometheus and custom Node.js exporters, providing real-time visibility into TPS, approval rates, transaction volumes, response codes, routing performance and system health.
- Developed custom Prometheus exporters to collect Postilion payment metrics directly from SQL Server for enterprise dashboards.
- Built automated monitoring and alerting that significantly reduced incident detection and troubleshooting time.
- Designed performance dashboards enabling end-to-end monitoring across Postilion, BankWorld and payment gateways.
- Supported Active-Active payment infrastructure and disaster recovery validation exercises ensuring regulatory compliance.
- Led root cause analysis for critical payment incidents involving VISA, Mastercard, Verve, NIBSS and Interswitch.
- Managed payment routing, switch configuration and production change implementations with zero unplanned downtime.
- Collaborated with OEM vendors including Interswitch during production maintenance, firmware upgrades and payment platform enhancements.
- Supported PCI-DSS remediation initiatives including encryption improvements and payment infrastructure hardening.

Implementation Engineer – Payment Infrastructure

Oct 2022 – Sep 2023

- Implemented AfrigoCard and onboarded fintech partners including Moniepoint and Hydrogen into the card payment ecosystem.
- Optimized switch routing and FEP configurations, improving transaction success rates across multiple channels.
- Delivered zero-downtime migrations and upgrades for Postilion payment switch and card management systems.
- Reduced time-to-market for new card products by streamlining integrations, testing, and scheme certification processes.
- Supported cross-border payment infrastructure deployments for subsidiaries in Sierra Leone, Zambia, and Cameroon.

FEP Support Engineer

Aug 2021 – Sep 2022

- Monitored and supported FEP platforms for ATM, POS, and web-based card transactions.
- Resolved real-time transaction failures through ISO 8583 message analysis, log review, and switch diagnostics.
- Ensured high availability through proactive system health checks, performance monitoring, and preventive maintenance.
- Worked closely with Visa, Mastercard, Verve, Interswitch, UPSL, and NIBSS to resolve routing, authorization, and settlement issues.
- Performed system patching, upgrades, and compliance activities aligned with PCI-DSS and EMV standards.

Major 2026 Projects

1. Enterprise Payment Observability Platform

Technologies: Grafana, Prometheus, Node.js, SQL Server, Windows Exporter

- Designed and implemented Access Bank's payment observability platform.
- Built custom Node.js Prometheus exporters exposing payment metrics directly from Postilion databases.
- Developed enterprise Grafana dashboards for:
 - Transaction Success Rate
 - TPS
 - Transaction Volume
 - Customer Declines
 - System Declines
 - Switch Health
 - Routing Performance
 - Payment Availability
- Reduced incident diagnosis time through centralized monitoring.

2. AccessNotify (In Progress)

- Technologies: Node.js, Express.js, SQL Server
- Building an internal notification platform that automatically informs customers of failed electronic transactions.
- Implements secure APIs, transaction validation, notification workflows and delivery tracking.
- Designed to improve customer experience while reducing support calls related to failed transactions.

Key Achievements

- Led the successful production upgrade of Postilion Payment Switch to version 5.6 with zero service interruption.
- Built Access Bank's enterprise payment observability solution using Grafana, Prometheus and custom Node.js exporters.
- Designed real-time dashboards providing visibility into transaction success rates, TPS, routing and switch health.
- Successfully implemented Active-Active payment infrastructure validation using production and DR HSM environments.
- Delivered payment infrastructure implementations across Sierra Leone, Zambia and Cameroon.
- Implemented Afrigo Card integration into the Access Bank payment ecosystem.
- Participated in PCI-DSS remediation and payment platform security improvements.

Education

B.Tech, Meteorology & Climate Science

Federal University of Technology, Akure (Second Class Honours) —2017

Certifications

- ITIL v4 Foundation – Service Management, Nigeria
- Postilion Basic & ISO 8583 – ACI Worldwide, Nigeria
- PCI-DSS & Card Payment Security – Phillips Consulting Limited, Nigeria
- CBCI – Business Continuity Training – BCT London, UK
- Mastercard Academy Training – Mastercard, Dubai
- EMV, eCommerce Payments & CNP Fraud – Smart Commerce International, UK
- Associate Cards and Payments Professional 1 – Retail Banking Association.