

Sheriff Tijani

Senior Software Engineer — Backend & Distributed Systems

Accra, Ghana · Open to remote hello@sherifftijani.com [sherifftijani](#) [in/sherifftijani](#)

SUMMARY

Backend-focused software engineer with 6+ years building production systems for government and enterprise clients. I design APIs, data models and background services in C#/.NET and PostgreSQL, deploy to Azure Kubernetes Service, and co-lead small engineering teams. Work spans payroll, taxation, aviation, payments, elections and maritime systems.

6+ years building production software

20M+ records in data-intensive systems

~7 days → ~24 hours payslip generation turnaround

Weeks → ~30 min government receipt reconciliation

EXPERIENCE

Axon Information Systems · Accra, Ghana

Software Engineer

Sept 2022 – Present

- Co-lead backend delivery for national payroll and taxation platforms, guiding teams of around four engineers.
- Design APIs, background services and reporting queries over PostgreSQL datasets of 20M+ records.
- Own integrations with aviation, maritime and payment partners, including reconciliation and invoicing engines.
- Deploy and operate .NET services on Azure AKS with Docker, Kubernetes and Keycloak.
- Mentor junior engineers and advise frontend teams on API contracts and implementation.

Junior Software Engineer

Aug 2021 – Aug 2022

- Built invoicing and stock management features for a national VAT monitoring platform.
- Delivered the frontend for a receipt reconciliation platform and tuned its matching performance.
- Supported on-premise deployments on customer infrastructure and ERP integrations.

SELECTED SYSTEMS

ePayroll · Government Payroll

National payroll platform covering employee validation, payroll data, payslip generation and reporting for the public sector. Payslip generation turnaround: ~7 days → ~24 hours.

GRA MTS · Taxation · Government Revenue

Digitised taxpayer registration, payments and reporting for the informal sector on behalf of the Ghana Revenue Authority. Taxpayer payment processing: Minutes → seconds.

AeroPass · Aviation

Integration platform bridging passenger-information systems and aviation stakeholders, with invoicing and reconciliation for airlines. Airline invoice generation: Days → minutes.

GRA E-VAT · Taxation · VAT

VAT monitoring platform for the Ghana Revenue Authority, capturing business transactions from web, API and on-premise channels. Deployment model: Per-business VMs → portable installs.

Reconciliation Platform · Government revenue

Reconciles receipts between a revenue authority system and a national payment platform. Weeks → ~30 minutes.

Election Results Collation · Elections

Results entry and collation with live dashboards. Used in Ghana’s 2024 parliamentary elections for a constituency of 200+ polling stations. 200+ polling stations.

TECHNICAL SKILLS

Backend	C#, .NET, ASP.NET Core, REST, GraphQL, Hot Chocolate, Entity Framework, Dapper, Wolverine
Data	PostgreSQL, SQL Server, MySQL, MariaDB, MongoDB, Table partitioning, Query optimization, Large datasets, Cross-database operations
Infrastructure	Docker, Kubernetes, Azure AKS, Azure, Helm, FluxCD, IIS, Azure DevOps
Identity & Observability	Keycloak, Sentry, OpenTelemetry, Seq
Frontend	Svelte, React, TypeScript, JavaScript, Tailwind CSS