# SAIDU BELLO

## AI & Platform Engineer | Enterprise Automation

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Engineering leader and hands-on practitioner building AI-native applications, secure LLM integrations and automated cloud platforms. Experience spans agent workflows, TEE-backed private LLMs, zero data retention (ZDR) model integration, AI-assisted log analysis and operations across GCP, Azure and AWS. Combines software delivery, observability and security controls with practical examples relevant to staff training in AIOps, enterprise automation and AI application development.

## PROFESSIONAL EXPERIENCE

**Blackbit.sh (formerly Orgn), United States | Vice President of Engineering | Jan 2024–Present**

- Lead engineering delivery for BlackBit AI products, including VOID, a gateway for cyber operations models, and ZERO, an AI cyber-operations workspace.
- Engineered Terraform-managed GCP foundations, private GKE Autopilot clusters and Argo CD delivery across development, staging and production.
- Built reusable GitHub Actions pipelines with federated authentication, immutable image digests, vulnerability gates, SBOMs and release provenance.
- Established service, Kubernetes and database monitoring with Prometheus, Grafana and Cloud Monitoring; added scheduled backups and storage-capacity alerts.
- Contributed to ZERO's specialist-agent workflows, parallel task orchestration, operator approval controls, resumable tasks and structured security assessment reporting.

**o.xyz, United States | Lead DevOps Engineer | Sep 2024–Present**

- Built Kubernetes delivery with Argo CD and Helm, certificate automation and external secret management.
- Introduced Terraform governance through Spacelift and Rego policies; provisioned autoscaling development workspaces with Prometheus monitoring and automatic stop controls.

**io.net, United States | Senior DevOps Engineer | Nov 2023–Nov 2024**

- Worked with Azure and AWS cloud environments; provisioned compute, CI/CD pipelines and access permissions, maintaining Terraform and Kustomize definitions.
- Deployed Prometheus and Grafana with Opsgenie alerting; supported incident communication, planned downtime and releases, and built tooling for routine operations.

**Central Bank of Nigeria | Software Engineer | Jun 2023–Sep 2024**

- Contributed to the eNaira wallet transaction module and Node.js services supporting digital transaction workflows.
- Automated Kubernetes deployments with Terraform, Helm and CI/CD; maintained applications and compute resources across cloud environments.

## SELECTED AI & ENTERPRISE PROJECTS

**X401 | AI applications, agents & confidential-inference integration**

- Integrated open-source AI coding and workflow applications with shared identity and an OpenAI-compatible gateway, using team-scoped OAuth/OIDC, PKCE, role controls and MFA.
- Integrated private LLM inference through NEAR AI's Intel TDX-based Trusted Execution Environments (TEEs), exposing attestation reports, response signatures and verification status. Implemented model controls distinguishing TEE-backed confidentiality from provider zero data retention (ZDR) policies.
- Developed sample treasury-reporting and invoice-classification workflows combining API data, LLM calls, batch orchestration and logs for duration, token usage and failures.

**BlackBit VOID (blackbit.sh) | Enterprise AI gateway infrastructure**

- Built GCP infrastructure supporting BlackBit's OpenAI-compatible cyber-model gateway and application services, using Terraform, GKE Autopilot, private networking and Cloud SQL PostgreSQL.
- Implemented keyless GitHub OIDC and Argo CD delivery with digest-pinned releases, vulnerability scanning, SBOMs, provenance and Cosign signing.
- Designed private database access, workload identity and automated secret delivery; added migration rehearsals and release-linked migration jobs, and corrected duplicate audit-log ingestion and authentication rate limiting.

**Superlog (superlog.sh) | AI-assisted operations**

Applied AI-assisted log grouping and analysis to organize operational signals and support investigation of application and infrastructure issues.

**Hush AI & OnSell | AI-native applications in development**

Designing a privacy-focused conversational interface with English/Arabic layouts, source inspection and human review (Hush AI), and merchant payout reconciliation workflows that compare settlements with bank credits for accountant review (OnSell).

## TECHNICAL SKILLS

**AI & automation:** LLM APIs, agent workflows, private inference, Intel TDX/TEE attestation, ZDR model routing, task orchestration, TypeScript, Node.js, Python, Bash.

**Cloud & platforms:** GCP, Azure, AWS, Kubernetes, GKE Autopilot, DigitalOcean, Linux, Docker, Terraform, Argo CD, Helm, Kustomize, GitHub Actions, GitLab CI/CD, Spacelift.

**Observability & data:** Prometheus, Grafana, Cloud Monitoring, Opsgenie, AI-assisted log analysis, PostgreSQL, Cloud SQL, ClickHouse, Redis.

**Security & governance:** IAM, OAuth/OIDC, PKCE, MFA, Workload Identity Federation, Secret Manager, External Secrets, OPA/Rego, Kyverno, Trivy, Cosign.

## EARLIER EXPERIENCE

**BeyondDialog | Mobile Developer | May 2022–Apr 2023**
Integrated Matrix Synapse messaging and custom events; configured Codemagic delivery pipelines.

**Ubenwa Health | Flutter Engineer, Contract | Jan 2022–May 2022**
Configured environment flavors and Codemagic pipelines; integrated RabbitMQ, Firebase storage and background audio processing.

**Yoda Box** | Project Lead Developer | Jan 2021–Dec 2021
**Postagraph** | Software Engineer | Jul 2020–Dec 2020
**Hubuk Technology** | Software Engineer | May 2020–Jul 2020

## EDUCATION

**BSc Computer Science** | Bayero University, Kano | 2019