

Abraham O. Samuel

Cloud & DevSecOps Engineer · AI Engineer · Compliance Architect

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PROFESSIONAL SUMMARY

Cloud and DevSecOps engineer with 4+ years designing, hardening, and operating production-grade infrastructure on Google Cloud Platform and Microsoft Azure. I build zero-trust architectures, embed security into every stage of the SDLC, implement HIPAA / ISO 27001 / SOC 2 / NDPA 2023 compliance controls, and ship AI-powered products — most recently Africa's first fully AI-powered radio station and a B2B document intelligence SaaS. Equally comfortable writing Terraform, hunting threats in Chronicle SIEM, authoring IR playbooks, and leading cross-functional engineering teams.

EXPERIENCE

H30 <i>Cloud Administrator & AI Engineer II</i>	Jul 2025 – Present Remote
- Architect and maintain GCP infrastructure (Cloud Run, GKE, Vertex AI, Cloud SQL) for AI-powered healthcare products serving multiple product lines. - Designed and deployed zero-trust security posture: BeyondCorp access policies, Cloud Armor WAF, Workload Identity Federation — eliminating all service account keys. - Led technical build and 2025 launch of Tingo 102.5 FM, Africa's first fully AI-powered radio station — 24/7 broadcast on GCP with <0.01% unplanned downtime. - Maintain 99.99% uptime across all production services via SLO-driven alerting, automated incident response, and canary deployment pipelines on Cloud Deploy. - Implemented HIPAA Security Rule compliance across GCP infrastructure: CMEK, VPC Service Controls, Cloud DLP, immutable audit log archive with Retention Lock.	
Animation Hub <i>DevSecOps & Cloud Engineer</i>	Mar 2024 – Jul 2025 Lagos, Nigeria
- Designed and implemented micro-service GCP infrastructure for the company LMS, scaling to handle 10× traffic spikes without degradation. - Built DevSecOps CI/CD pipeline: GitHub Actions → Cloud Build → GKE, with Trivy and Snyk scanning embedded — reducing deployment time from 4 hours to 18 minutes. - Led engineering and design team of 8 across task allocation, on-call rotation, and 24/7 production availability. - Delivered \$42M in cumulative infrastructure spend optimisation through CUDs, idle resource cleanup, and GKE node pool rightsizing. - Investigated and resolved critical platform degradation that was dropping 15–20% of user sessions — traced to a misconfigured load balancer health check.	
Stanford University — Code in Place <i>CS106A Section Leader</i>	Apr 2024 – Jun 2024 California, USA (Remote)
- Led weekly Python discussion sections for 10 students as part of Stanford's global Code in Place programme. - Held bi-weekly office hours; graded assignments with detailed written feedback on code reliability, error handling, and troubleshooting technique.	
Flip To Tech <i>Lead Facilitator / Software Dev & Security Facilitator</i>	Aug 2022 – Feb 2024 Lagos, Nigeria
- Designed curricula for cloud computing, cybersecurity, and software development; improved assessed learning outcomes by 40% over prior cohort. - Delivered specialised cybersecurity training to senior officers of the Nigerian Immigration Service, Nigerian Police Force Microfinance Bank, and Stanbic IBTC. - Mentored 150+ students through technical career transitions into cloud and software engineering roles.	

Value Plus Initiative

Software Development Intern

Sep 2021 – Aug 2022

Lagos, Nigeria

- Built and deployed scalable web applications using JavaScript, Node.js, React, and Bootstrap in production environments.
- Authored API specifications, troubleshooting guides, and deployment runbooks adopted across the engineering team.

SELECTED PROJECTS

GCP Zero-Trust Architecture

BeyondCorp, Cloud Armor WAF, VPC Service Controls, Workload Identity Federation. Eliminated all SA keys; blocked 99.3% of attack traffic in first 30 days.

Chronicle SIEM + IR Automation

14 custom YARA-L rules; automated containment of 8 incident types in <2.3 min; MTTD 4.2 min across production environment.

K8s Security Hardening Playbook

OPA Gatekeeper, Kyverno, Falco runtime detection, default-deny NetworkPolicies, PodSecurity Restricted standard. Full Terraform + manifest implementation.

Self-Hosted Trivy Scanner on GCP VM

6-hour scheduled scans of Artifact Registry; caught 3 critical CVEs missed by CI scanning; Looker Studio CVE trend dashboard.

DevSecOps CI/CD Pipeline

8-stage GitHub Actions pipeline: SAST (Snyk + Semgrep), Trivy, OWASP ZAP DAST, Binary Authorization, GKE canary deployment via Cloud Deploy.

IntelliDoc — Document Intelligence SaaS

Next.js 14, Supabase pgvector, Groq LLaMA 3.3 70B RAG pipeline, expiry alert engine, contract conflict detection. Deployed on GCP Cloud Run.

HIPAA & ISO 27001 Compliance Audits

14 HIPAA gaps remediated; 93 ISO 27001 Annex A controls mapped; organisation achieved ISO 27001:2022 certification. Full evidence packages produced.

Audit Log Integrity System

SHA-256 + KMS asymmetric signing on every log object; Retention Lock (7 yr); weekly re-verification; auditor CLI tool. Satisfies HIPAA + SOC 2 + ISO 27001.

CORE SKILLS

Cloud Platforms	GCP (Cloud Run, GKE, Vertex AI, Cloud Armor, Cloud Deploy, BigQuery, SCC, Chronicle) · Azure (AZ-305, AZ-500, AZ-400) · Multi-Cloud
Infrastructure as Code	Terraform · Helm · Kustomize · Cloud Deployment Manager
Containers & Orchestration	Docker · Kubernetes · GKE Autopilot · OPA Gatekeeper · Kyverno · Falco · ArgoCD
CI/CD & DevOps	GitHub Actions · Cloud Build · Cloud Deploy · Fastlane · GitLab CI
DevSecOps Tooling	Trivy · Snyk · OWASP ZAP · Semgrep · Checkov · Binary Authorization · YARA-L
Cybersecurity	Zero-Trust Architecture · SIEM Engineering · Threat Intelligence · Incident Response · IAM · Vulnerability Management · MITRE ATT&CK
Compliance & Governance	HIPAA · ISO 27001:2022 · SOC 2 Type II · GDPR · NDPA 2023 · VPC Service Controls · Cloud DLP
AI & ML Engineering	RAG Pipelines · LLM Integration · Groq API · Vertex AI · Prompt Engineering · MLOps
Programming	Python · Bash · TypeScript · Go · SQL · C++
Product & Analytics	PostHog (self-hosted) · Microsoft Clarity · GA4 · Looker Studio · A/B Testing · Funnel Analysis
Mobile & Publishing	Google Play Console · App Store Connect · Firebase · Flutter · Fastlane

CERTIFICATIONS

SC-100 — Microsoft Cybersecurity Architect Microsoft · 2025	AZ-500 — Secure Cloud Resources with Microsoft Security Microsoft · 2025	AZ-400 — Designing & Implementing Microsoft DevOps Microsoft · 2025
AZ-305 — Design Microsoft Azure Infrastructure Microsoft · 2025	MD-102 — Microsoft 365 Endpoint Administrator Microsoft · 2025	PL-200 — Microsoft Power Platform Functional Consultant Microsoft · 2025
CTIGA — Certified Threat Intelligence & Governance Analyst Red Team Leaders · 2026	CNSP — Certified Network Security Practitioner SecOps Group · 2026	CCEP — Certified Cybersecurity Educator Professional Red Team Leaders · 2025

CCPC — Certified C++ Practitioner
Red Team Leaders · 2026

IBM Cyber — Cybersecurity
Fundamentals
IBM · 2024

ICIP — Introduction to Critical
Infrastructure Protection
OPSWAT · 2024

SOC 2 — Certified Master SOC 2
Implementer
Scytale SOC 2 Academy · 2024

Stanford — Code in Place Section
Leader
Stanford Online · 2024

API Sec — API Security Workshop
APIsec University · 2024

Incident — Incident Handler
LetsDefend · 2024

IBM Net — Introduction to Networking
and Storage
IBM · 2023

IBM PM — Project Management
Fundamentals
IBM · 2024

EDUCATION

Professional Diploma in Software Engineering 2024
European Open University

Professional Diploma in International Finance 2024
European Open University

ADDITIONAL

Languages	English (native) · French · ASL
Community	Community Manager — DevOps Nigeria (3,000+ members)
Teaching	Nigerian Immigration Service · Nigerian Police Force Microfinance Bank · Stanbic IBTC — cybersecurity training delivery
Products	IntelliDoc (B2B document intelligence, active) · Aptoe (active) · Tingo 102.5 FM (Africa's first AI radio station, launched 2025)
Writing	Technical articles on Medium · Substack
GitHub	32 public repositories — cloud automation, DevSecOps pipelines, compliance tooling, AI engineering