

Oluwatobi Mustapha

CLOUD SECURITY ENGINEER

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PROFILE

Cloud security engineer who builds identity and access security as a product discipline, not checklist controls. I design secure-by-default controls across AWS and Kubernetes, improve least-privilege architecture, and ship detection workflows that keep developer velocity high. Proven impact: days-to-seconds privileged access, pre-merge IAM flaw detection, and 24 merged upstream fixes across identity and cloud security projects.

Security Product Design

Cloud IAM

Machine Identity

Least Privilege

Detection as Code

Policy as Code

EXPERIENCE

Founder & CEO

Feb 2026 - ∞

Identrail | Remote

- Building Identrail, an open-source machine identity security platform that maps trust paths across AWS, GitHub/OIDC, and Kubernetes.
- Turns repository exposure and authorization gaps into evidence-backed findings with owners, severity, confidence, and remediation steps.

AI Security Engineer (Freelance)

Apr 2026 - Present

CloudSec Network | Remote

- Built AI-assisted security workflows for detection triage and remediation context, improving cloud alert quality and operator response speed.

Cyber Security Analyst (Freelance)

Jan 2024 - Feb 2025

Prodigy InfoTech | Remote

- Performed vulnerability assessment and penetration testing using Burp Suite, Nmap, and Metasploit, with remediation prioritized by exploitability and business impact.

Data Analyst

Feb 2022 - Apr 2024

Probuilt Tech | Remote

- Built SQL data quality pipelines that improved integrity checks for reporting and security-sensitive workflows.

PRODUCTS BUILT

Three security products designed and shipped for real operator workflows

- › **Identrail:** open-source machine identity security platform mapping trust paths across AWS, GitHub/OIDC, and Kubernetes. Please interact with it here: identrail.com
- › **Boundary:** AWS JIT access product replacing long-lived standing access with approval-based, time-bound sessions and complete audit trails.
- › **IAM Logic Fuzzer:** CI-integrated IAM policy assurance for escalation paths, confused deputy issues, and unsafe permission changes before merge.

EDUCATION

Ambrose Alli University

B.Eng. Electrical Engineering

2020 - 2025

CERTIFICATIONS

AWS Certified Security - Specialty

Amazon Web Services | Mar 2026

Non-Human Identity Fundamentals Certified Professional

Oasis Security | Feb 2026

HashiCorp Certified: Terraform Associate

HashiCorp | Dec 2025

AWS Solutions Architect - Associate

Amazon Web Services | Sep 2025

CompTIA Security+ ce

CompTIA | Feb 2025

CORE SKILLS

Languages

Python, Go, TypeScript, SQL

Identity and Access

AWS IAM, IAM Identity Center, OAuth2, OIDC, RBAC, ABAC, least privilege, MFA, machine identity, Microsoft Entra ID, SPIFFE

Cloud and Platform

AWS (primary), Azure (working familiarity), Kubernetes, API Gateway, SQS, Terraform, Helm, Linux, CI/CD security controls, policy-as-code

Security

Security governance, Detection as Code, AI-assisted defense workflows, vulnerability assessment, risk modeling, compliance telemetry, incident response support

LEADERSHIP

Open Source Security Contributions

24 merged PRs across Keycloak, Better Auth, Authentik, Home Assistant Core, ZITADEL, Cloud Custodian, and Leapstacks2

AWS Community Builder

Community member

The Identity Underground

Silverfort-backed community member

Published Writing

Security engineering writing focused on cloud detection quality and human-centered alert design