FAITH AMANZE

Cloud Security Engineer | Microsoft 365 Security | Transitioning into AI/ML-Driven Security Engineering

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PROFILE SUMMARY

Cloud Security Engineer and Microsoft 365 Security professional with **3+ years** of experience securing enterprise cloud environments, investigating security incidents, protecting identities, and supporting Microsoft 365 workloads. Currently transitioning into **AI/ML-driven security engineering** through the FlyRank Machine Learning Internship, applying Python, scikit-learn, and embedding-based clustering to real-world data problems. Experienced with Microsoft Defender, Microsoft Purview, Exchange Online, Microsoft Entra ID, Microsoft Defender for Cloud, and PowerShell. Maintained **95%+ SLA compliance** and a **4.83/5 CSAT** while supporting **1,000+ customers across 90 countries**.

CORE COMPETENCIES

Python • scikit-learn • Claude API • Model Context Protocol (MCP) • Microsoft Defender • Microsoft Defender for Cloud • Microsoft Purview • Exchange Online Security • Identity & Access Management (Microsoft Entra ID) • Security Incident Investigation & Response • Threat Detection • Authentication & MFA • Azure Security Groups • PowerShell Automation • Microsoft Dynamics 365 • Microsoft Copilot • NIST Cybersecurity Framework

PROFESSIONAL EXPERIENCE

Cloud Security Engineer — Tekexperts (TeKnowledge) *May 2024 – Present*

- Managed onboarding and offboarding for **100+ users**, ensuring timely provisioning and removal of access across email, VPN, cloud platforms, and business-critical applications.
- Investigated and resolved Microsoft 365 security incidents involving **Microsoft Defender, Microsoft Purview, Exchange Online, and Entra ID**, maintaining 95%+ SLA compliance and a 4.83/5 CSAT while supporting customers across 90 countries.
- Performed email security investigations by analyzing Exchange Online **message traces, headers, mail flow, inbox rules, and forwarding configurations** to identify phishing attempts, Business Email Compromise (BEC), and unauthorized mailbox activity.
- Supported identity security investigations by reviewing **Entra ID sign-in logs, authentication events, and Microsoft Defender alerts** to identify suspicious sign-ins, compromised accounts, impossible travel events, anonymous IP activity, and unauthorized access attempts.
- Remediated compromised Microsoft 365 accounts by enforcing password resets, MFA re-registration, removing malicious inbox rules, revoking unauthorized sessions, and restoring secure access per NIST-aligned best practices.
- Created and managed **Azure Security Groups** and used **Microsoft Defender for Cloud** to monitor cloud security posture, while using **PowerShell** to automate account management, Outlook encryption configuration, and mailbox archiving.

Machine Learning Intern — FlyRank AI Internship Program (Remote, self-paced) *June 2026 – Present*

- Completing a self-paced Machine Learning/AI Engineering track applying **Python, pandas, scikit-learn, and SQL/BigQuery** to real-world search and analytics data.
- Applying semantic methods — **embeddings, clustering, and intent classification** — to wrangle messy datasets and surface non-obvious, evidence-backed insights.
- Building a capstone project connecting model output to specific, actionable recommendations, reviewed asynchronously by FlyRank mentors on data handling, model approach, and insight quality.
- Completed Anthropic Academy technical coursework — **Claude Code, Claude API development, Model Context Protocol (MCP), and agent/subagent design** — applied within the FlyRank AI/ML internship track.
- Selected for FlyRank AI's **Claude Partner Network** cohort, with access to complementary Anthropic AI coursework alongside track requirements.

IT Support — Elitesgen *February 2023 – April 2024*

- Installed, configured, and maintained computer systems and networks to ensure optimal performance.
- Diagnosed and resolved hardware, software, and network issues for end users, minimizing downtime.
- Performed system administration tasks, including preventive maintenance and security updates.
- Maintained detailed documentation of support requests, solutions, and system updates.

Academic Coordinator — Christ's Kin Ideal School *2018 – February 2023*

- Coordinated academic activities and supervised a team of up to **5 teachers and NYSC corps members**.

- Mentored **3,000+ students**, contributing to improved performance in science subjects at WAEC.
- Oversaw building renovation projects and ensured accurate collection and maintenance of student data for the school's exam databases.
- Supported the Vice Principal (Admin) in managing school fund matters.

NYSC Corps Member — Christ's Kin Ideal School *2017 – 2018*

- Served as a National Youth Service Corps member, supporting academic and administrative activities at the school ahead of transitioning into the Academic Coordinator role.

PROJECTS

Content Refresh Prioritization — FlyRank ML Capstone

- Analyzed **30,000 anonymized SEO pages** across 32 client accounts in **Python** (pandas, scikit-learn) to rank which underperforming pages deserve a content team's limited review time.
- Built and benchmarked logistic regression, decision tree, and random forest models against a hand-written baseline rule; logistic regression reached **74.0% Precision@50**, versus 48.0% for the baseline and a 51.7% base rate.
- Used a client-grouped holdout split to prevent data leakage, and quantified the risk directly: showed a naive random split inflates accuracy by 8.0 points and ROC AUC by 9.5 points versus the honest grouped split.
- Delivered a five-tier, reason-coded action playbook (e.g., Priority Refresh, Monitor Low Volume) translating model output into a content review queue, with documented limitations and retrain triggers.
- Published as a full write-up with reproducible notebooks: faith-amanze.github.io/content-refresh-prioritization

Claude API & MCP Applied Coursework — Anthropic Academy

- Completed hands-on coursework in **Claude Code, Claude API development, Model Context Protocol (MCP), and agent/subagent design**, applied as part of the FlyRank AI/ML internship track and the Claude Partner Network cohort.

EDUCATION

B.Eng, Electrical Engineering — University of Nigeria, Nsukka, Nigeria — 2016

CERTIFICATIONS & MEMBERSHIPS

- **AWS Agent Engineer Nanodegree** — In Progress (begins August 2026)
- Microsoft Certified: Security, Compliance and Identity Fundamentals
- Microsoft 365 Certified: Copilot and Agent Administration Fundamentals
- Google Cybersecurity Professional Certificate
- Cisco CyberOps Associate Certification
- ISC2 Cybersecurity Certificate Course
- IBM Skills Build Cybersecurity Certificate
- Google AI Essentials
- AWS AI Practitioner Challenge
- ISO/IEC 27001: Information Security Associate (Skills Front)