JOSEPH KAGAI

Cyber Security Engineer | SOC Analyst | Ethical Hacking & Defense

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PROFESSIONAL SUMMARY

Cybersecurity professional with hands-on experience securing web applications, cloud deployments, and enterprise systems through defense-in-depth practices. Skilled in vulnerability assessment, incident response workflows, access control hardening, secure API development, and Linux/cloud infrastructure security. Proven ability to support 150+ users while maintaining SLA compliance, improving uptime, reliability, and organizational risk posture. Completed 30-hour professional training in Ethical Hacking & Defense.

CORE SKILLS

Security: Vulnerability Assessment, Secure Hardening, OWASP Top 10, Secure SDLC, Risk Reduction
Monitoring & Response: Incident Triage, Log Review Concepts, Threat Mitigation, Root Cause Analysis
Identity & Access: OAuth2, RBAC/IAM Concepts, Least Privilege, Secure Authentication
Cloud & Systems: Linux Security Fundamentals, Docker & Kubernetes Basics, AWS & Azure Fundamentals
Technical: Python

PROFESSIONAL EXPERIENCE

Mcdave Holdings Limited — Cyber Security Engineer / Security-Focused Software Engineer | May 2024 – Present

• Strengthened security of production systems and REST APIs by applying OWASP-aligned secure coding practices.
• Reduced system exposure and backend latency by 30% through query optimization and caching strategies.
• Implemented secure third-party integrations using OAuth2, improving authentication and session security.
• Automated CI/CD pipelines, reducing deployment time by 50% and minimizing manual release risks.
• Supported containerized deployments using Docker and Kubernetes on AWS, maintaining 99.9% uptime.
• Improved service reliability under load by implementing asynchronous task execution, cutting response times by 40%.

Timwise Tech Solutions — SOC Analyst / IT Security Support (Hybrid) | Jan 2024 – Dec 2024

• Designed and implemented role-based access control (RBAC) for a payroll system, improving compliance by 75%.
• Responded to and resolved security and technical incidents for 150+ users while meeting SLA timelines.
• Supported migration of legacy systems to Azure cloud infrastructure, reducing operational costs by 25%.
• Automated administrative workflows, reducing process errors and security risks by 60%.

Greenspace (Delmonte Contract) — Cyber Security & Systems Support Associate | Apr 2022 – Nov 2023

• Maintained secure uptime for IoT-linked tracking systems supporting production analytics.
• Configured and secured Linux servers for real-time analytics and operational reporting.
• Improved production data collection efficiency by 44.7%, reducing manual tracking risks.

EDUCATION

Bachelor of Science in Information Technology
Multimedia University of Kenya
Relevant Coursework: Cloud Computing, Database Systems, Software Engineering

CERTIFICATION

Udemy — Full Cybersecurity Course: Ethical Hacking & Defense