

CLINTON SENAYE

clintonsenaye@gmail.com | +44 7825366984 | github: <https://github.com/clintonsenaye>
| LinkedIn: <https://www.linkedin.com/in/clintonsenaye/>

SUMMARY

Security engineer with 5+ years detecting threats, responding to incidents, and building defences that prevent recurrence. Currently applying machine learning to security problems - building anomaly detection systems that catch what rule-based approaches miss. Looking to bring this detection and response mindset to AI safety: identifying when AI systems are being manipulated or behaving abnormally and developing rapid response methods when new vulnerabilities emerge.

RESEARCH

MSc Dissertation: ML-Based Anomaly Detection in DevSecOps Pipelines

MSc Computing (Internet Technology & Security) | In Progress

Building a system that detects security anomalies that static rules miss - the same problem AI safety faces with jailbreaks and unexpected model behaviour.

- Implemented Isolation Forest algorithm to score behavioural anomalies in real-time log streams
- Designed 10 attack scenarios to evaluate detection vs rule-based approaches (measuring precision, recall, false positive rates)
- Built complete pipeline: Graylog + OpenSearch + Python ML service with 30-second detection windows
- Focus: reducing false positives while maintaining high threat detection - directly applicable to AI safety monitoring

EXPERIENCE

Infrastructure Engineer | Prymo Ltd | July 2024 - Present

- Lead security detection and response: reduced vulnerabilities by 50% through continuous monitoring and rapid remediation
- Built anomaly detection systems using Graylog and Zabbix - proactively identifying threats before impact
- Achieved 100% compliance (ISO27001, PCI DSS, GDPR) through systematic security controls
- Reduced incident recovery time by 25% through automated response and prevention measures

IT Support Specialist (Team Lead) | Lightwave E-healthcare | Aug 2021 - Jul 2024

- Reduced security incidents by 30% through detection-focused security protocols
- Led team of 6; resolved 98% of complex data issues ensuring confidentiality, integrity, availability
- Maintained 99.9% uptime and 99% backup success rate for 350+ healthcare facilities

Systems Administrator | Zylofon Media | Jul 2020 - Jan 2021

- Detected and prevented 95% of unauthorized access attempts using AWS IAM and CloudTrail
- Reduced vulnerabilities by 25% through proactive monitoring and threat mitigation

TECHNICAL SKILLS

- Programming: Python (ML implementation, anomaly detection, automation), Bash, SQL
- Machine Learning: Isolation Forest, Autoencoder, feature engineering, anomaly scoring, model evaluation
- Security: Threat detection, incident response, vulnerability assessment, SIEM (Graylog), compliance
- Infrastructure: AWS, Kubernetes, Docker, Terraform, CI/CD, Linux

CERTIFICATIONS

- CompTIA Security+ CE
- AWS Solutions Architect Associate
- AWS Cloud Practitioner
- Google Cybersecurity

EDUCATION

- MSc Computing (Internet Technology & Security) - In Progress
- BSc Computer Science - Ghana Institute of Management and Public Administration