

Billy Ntabazi

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Summary

Application Security Engineer with a demonstrated track record in Application Security and Infrastructure. Proficient in conducting comprehensive security assessments for applications, reducing security incidents significantly. - Conducted source code reviews and vulnerability scans, reducing incidents by 40%. - Integrated security tools like SAST and DAST into CI pipelines, improving compliance by 50%. Eager to leverage expertise in identifying and mitigating software supply chain vulnerabilities to enhance security and strengthen Tesla's vehicle ecosystem.application.

Skills

Programming Languages: Java, Python, C/C++, JavaScript, TypeScript

Security: Vulnerability Assessment, Reporting & Management, Penetration Testing, Security Policies, OWASP Top 10, Application Security Testing Tools, Secure SDLC Integration, Secure Coding Practices, Application Security Programs, Threat Modeling

Frameworks: Springboot, React

APIs: REST API

System Design: System Design, Code Review, System Analysis

DevOps: DevOps tooling: IaC, CI/CD, Docker, Kubernetes, Jenkins-based CI/CD pipelines

Cloud: AWS (S3, EC2, IAM), GCP (GKE)

Databases: MySQL, Oracle, MongoDB, PostgreSQL

Other: Object-Oriented Programming (OOP), Micro-services, Design Patterns, ACID, Version Control, Agile/Scrum, HTML/CSS, SQL

Work Experience

E-DIME

Information Security Specialist | Application Security Engineer

Kampala, Uganda

Jun 2018 - Jul 2023

- Conducted source code reviews for over 20 applications, identifying and mitigating vulnerabilities in accordance with OWASP Top 10, subsequently resulting in a 40% reduction in security incidents.
- Collaborated with cross-functional teams to enhance testing processes, achieving a 15% increase in overall product quality through the integration of secure coding practices.
- Tested software applications using unit tests with Mockito and JUnit, detecting and resolving bugs early, saving approximately 30 hours per project.
- Performed over 50 vulnerability scans and third-party library tests, enhancing application security by refining the security architecture and decreasing vulnerabilities by 35%.
- Developed E-commerce applications using PHP, JavaScript, HTML/CSS, and MySQL, implementing secure coding standards, leading to a 30% increase in online sales.
- Integrated security tools into the CI pipeline for 15 projects, including SAST and DAST, improving security compliance by 50% and supporting secure SDLC integration.
- Technologies: Docker, Kubernetes, GitLab, SonarQube, BurpSuite Pro, Zap, Python, JavaScript, PHP, HTML/CSS, MySQL

NETIS UG

Software Engineer

Kampala, Uganda

Dec 2016 - May 2018

- Designed and developed a Cell Tower access application using Spring Boot and React JS, ensuring secure site entry and maintaining diligent record-keeping.
- Containerized applications with Docker, distributing efficient configurations to developers, optimizing application development processes.
- Utilized Spring Boot, React JS, Docker, and web frameworks like HTML, CSS, JavaScript, and MySQL to improve application performance and maintainable secure codebases.

Education

Maharishi International University

Master's Degree, Computer Science

Fairfield IA

Aug 2023 - Mar 2026

Kyambogo University

Bachelor's Degree, Telecommunications Engineering