

SIANDILE MTHOMBENI

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Technical System Analyst with 2 years of experience in optimizing IT systems, and a strong focus on cyber-security best practices. Expertise in risk assessment, threat modeling, and implementing secure architecture for critical infrastructure. Proficient in identifying vulnerabilities, managing firewalls, and ensuring data back-up and protection through security protocols. I am qualified at delivering secure, efficient, and scalable technology solutions.

EXPERIENCE

SYSTEM ANALYST

System Analyst | Sloane street, Bryanston

2023 – PRESENT

- **Comprehensive Cyber Security Expertise:** Leveraged CompTIA Security+ and Pentest+ applied skills to conduct risk assessments, vulnerability and penetration testing to ensure security defenses in IT infrastructures.
 - **Azure & Cloud Security Proficiency:** Utilized AZ-500 (Azure Security Engineer) and SC-300 (Microsoft Identity and Access Administrator) skills to implement, manage, and secure cloud environments, ensuring compliance and minimizing security threats in Azure-based systems.
 - **Advanced Threat Protection & Identity Management:** Applied knowledge from SC-100 (Microsoft Cybersecurity Architect) to design and deploy advanced security architectures, focusing on identity protection, threat detection, and response strategies across enterprise networks.
 - **Cloud Solutions & Architecture Design:** Applied AWS Solutions Architect to design and deploy secure, cloud architectures, integrating best practices for cloud security, cost optimization, and disaster recovery.
 - **System Hardening and Security Configuration:** Implement and enforce security best practices on SUSE Linux servers by configuring firewalls, controlling user access, applying system patches, and securing network services to mitigate vulnerabilities and prevent unauthorized access.
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SKILLS

- Ethical hacking, and vulnerability scanning
- Threat modeling and risk assessment
- Cloud security compliance
- Identity and access management, encryption, and secure networking
- Implementation of zero Trust Architecture
- Forensics, and data breach mitigation
- Implementing security and access policies.
- Securing communication protocols
- Penetration testing tools, (Johnn the Ripper, Hydra and Wire-shark)
- Cloud Security Architecture and Governance

EDUCATION

NATIONAL CERTIFICATE: INFORMATION TECHNOLOGY: SYSTEMS SUPPORT NQF 5 (48573)

- Support and maintain IT systems, including computer hardware, networking systems, and server environments.
- Design, test, and maintain IT solutions to meet organizational needs, ensuring high availability and performance.
- Implementing IT security measures to protect organizational data and infrastructure, such as firewalls, and ensuring proper data backup and recovery processes.

National Certificate: Information Technology Systems Development Level 5 (48872)

- Apply industry-standard development approach, Agile and Scrum to deliver solutions on time and within budget.
- Implement security measures to safeguard data, prevent unauthorized access, and ensure the confidentiality, integrity, and availability of systems and applications.
- Develop the ability to analyze business requirements and translate them into functional software specifications.

BACHELOR OF SCIENCE DEGREE (GENERAL)

- Ability to address environmental issues through data-driven research and sustainable solutions.
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CERTIFICATIONS

- **AZ-500:** Microsoft Azure Security Technologies.
 - **MS-102:** Microsoft 365 Administrator Cloud security compliance
 - **SC-100:** Microsoft Cybersecurity Architect.
 - **SC-300:** Microsoft Identity and Access Administrator.
 - **CompTIA:** SY0-701 CompTIA Security+
 - Scum Developer & Scrum Master Certified.
 - **PCEP 30 02:** Python fundamentals, **PCAP 31 03:** Python Programming Intermediate.
 - **SUSE Linux Enterprise Server Administrator, SUSE Linux Enterprise Server Engineer.**
 - **LPIC 1:** Linux Administrator, **LPIC 2:** Linux Engineer.
 - **AZ-305:** Designing Microsoft Azure Infrastructure Solution.
 - **Microsoft Certified: AZ-104:** Microsoft Azure Administrator.
 - **ITIL 4 Foundation Certified.**
 - **CompTIA PT0-002-** Penetration Testing
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PROJECTS

- NICIS CHPC 2024:
 - Architect a prototype Cluster
 - Benchmark it upon Specified Application
 - Parallel vulnerability Assessment
 - Using multi-threaded cores to discover vulnerabilities
 - Use of Open MPI to run parallel Execution of Cores
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REFERENCE

- Available on Request