

DEOWHAANE JOSEPH

SECURITY AND SYSTEMS ENGINEER

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PROFESSIONAL SUMMARY

Security and Systems Engineer with hands-on experience securing and supporting hybrid Windows and Linux environments across on-premises and Microsoft Azure infrastructure. Skilled in identity and access management, endpoint security, Mimecast data loss prevention, Microsoft 365, Active Directory, DNS and SSL administration, backups, monitoring, and infrastructure automation using Python, PowerShell, Power Automate, and Azure DevOps. Proven record of supporting 80+ endpoints, administering 100+ active inboxes, managing six servers, and contributing to 99.9% system uptime through proactive monitoring, system hardening, documentation, and operational improvement.

TECHNICAL SKILLS

Cloud and Infrastructure: Microsoft Azure, Azure virtual machines, hybrid infrastructure, Windows, Linux administration, Hyper-V, Veeam Backup, web hosting, cPanel

Security and Identity: Zero Trust, identity and access management (IAM), Active Directory, endpoint security, system hardening, Mimecast email security, data loss prevention (DLP), DNS, SSL certificates

Automation and DevOps: Python, PowerShell, Power Automate, Azure DevOps, CI/CD pipelines, custom APIs, version control, performance monitoring

Microsoft and Data: Microsoft 365, MySQL, Microsoft SQL Server, advanced SQL querying, data integrity verification, IT governance

Web Development: HTML, Node.js, WordPress

PROFESSIONAL EXPERIENCE

Cloud Infrastructure and IT Support Engineer

DataDot Technology (Pty) Ltd | Pretoria, Gauteng | May 2022 - Present

- Manage and monitor six servers across on-premises and Microsoft Azure environments, supporting Windows and Linux workloads and contributing to 99.9% system uptime.
- Secure and support 80+ user endpoints across distributed locations, administering hardware and identity lifecycles and enforcing centralized IAM policies.
- Administer Mimecast email security and mail routing for 100+ active inboxes; apply DLP controls, mitigate inbound threats, and maintain DNS records and SSL certificates.
- Develop Python, PowerShell, and Power Automate scripts that remove repetitive manual tasks, improve system reliability, and reduce operational risk.
- Maintain internal code repositories and foundational CI/CD deployment pipelines in Azure DevOps, connecting infrastructure operations with development workflows.
- Execute advanced SQL queries across MySQL and Microsoft SQL Server, verify data integrity, and provide actionable operational insights.
- Create and maintain IT security documentation, user guides, and technical SOPs to standardize operations and support group-wide compliance.
- Translate technical and security requirements into clear user guidance while providing responsive support to cross-functional teams.

Tech Consultant and Web Developer

Freelance IT and Web Consulting | Independent Services | 2023 - Present

- Design, build, host, and maintain commercial websites using HTML, Node.js, WordPress, and cPanel, delivering end-to-end digital presence solutions.
- Configure and administer Microsoft 365 environments, including email infrastructure, cloud collaboration, and client workspace operations.
- Advise businesses on IT strategy, hardware procurement, technical troubleshooting, and technology decisions.

CERTIFICATIONS AND TRAINING

ISTQB Foundation Level | SASTQB | Completed March 2026

Microsoft Azure Fundamentals | Microsoft | 2022

CompTIA Security+ | In progress

Network+ Training Curriculum | UNISA | 2018

EDUCATION

Diploma in Systems Development | Boston City Campus | Expected completion 2026

Matric | Outeniqua High School | 2016