

DEOWHAANE JOSEPH

Security & Systems Engineer

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PROFESSIONAL SUMMARY

I secure hybrid cloud environments, automate IT infrastructure, and enforce enterprise-grade access control for multi-company operations. Moving beyond traditional IT operations, I champion a scalable, secure approach to infrastructure management.

- **99.9% Uptime:** Managing and optimizing hybrid Windows/Linux Azure environments.
- **Zero-Trust IAM:** Securing 80+ distributed endpoints and administering 100+ Mimecast DLP inboxes.
- **Infrastructure Automation:** Eliminating manual overhead via Python scripts & Azure CI/CD pipelines.

CORE COMPETENCIES

- **Cloud & Infrastructure:** Azure VMs, Linux Admin, Hyper-V, Veeam Backups, Web Hosting
- **Automation & Scripting:** Python, PowerShell, Power Automate, Custom APIs
- **DevOps & Monitoring:** Azure CI/CD Pipelines, Performance Monitoring, Version Control
- **IAM & Cybersecurity:** Zero-Trust, Identity Management, Mimecast (DLP), System Hardening
- **Microsoft & SysAdmin:** MS365, Active Directory, DNS/SSL Domains, IT Governance
- **Data & SQL:** MySQL, MS SQL Server, Advanced Querying, Data Verification

FEATURED ARCHITECTURE & AUTOMATION

Automated User Lifecycle Management

- **Problem:** Manual offboarding left temporary security gaps and cost hours of administrative overhead.
- **Action:** Developed Python and Power Automate scripts integrated with Azure AD to automate account provisioning, expedite token revocation, and streamline Mimecast archiving.
- **Result:** Reduced manual admin effort by roughly 5+ hours per week and reduced offboarding revocation time from manual delays to within minutes.

Hybrid Infra & Domain Consolidation

- **Problem:** Fragmented servers across entities caused management silos and inconsistent security.
- **Action:** Managed the consolidation of a hybrid environment (6 Azure VMs + Hyper-V) and centralized DNS/SSL certificate management to improve security oversight.
- **Result:** Contributed to a 99.9% uptime metric and helped enforce uniform, group-wide security policies.

Enterprise Mimecast DLP Deployment

- **Problem:** The enterprise lacked unified data leak prevention (DLP) and faced inbound phishing threats.
- **Action:** Configured Mimecast Content Examination Policies, ATP, and standardized secure routing rules for 100+ active inboxes.
- **Result:** Improved email threat detection, blocking all malicious payloads used in internal testing, and enforced strict compliance data handling (POPIA) on outbound mail.

PROFESSIONAL EXPERIENCE

Cloud Infrastructure & IT Support Engineer

May 2022 – Present

Datadot Technology Pty Ltd | Pretoria, Gauteng.

- **Infrastructure & System Uptime:** Managed and improved a hybrid infrastructure of 6 servers across on-prem and Azure environments (Windows & Linux), proactively monitoring performance to contribute to a 99.9% system uptime.
- **Endpoint & Access Security:** Manage, secure, and support the hardware and identity lifecycle for 80+ user endpoints across distributed locations. Enforce strict centralized IAM policies.
- **Email Security & Domain Management:** Administer Mimecast email security and routing for 100+ active inboxes, enforcing DLP policies, mitigating inbound threats, and managing DNS infrastructure and SSL certificates.
- **Automation & Scripting:** Develop and implement Python, PowerShell, and Power Automate scripts to eliminate manual tasks, improve system reliability, and reduce operational risk.
- **Azure DevOps & Web Development:** Maintain internal code repositories and foundational CI/CD deployment pipelines using Azure DevOps, bridging IT operations with development.
- **Database Management & Data Analytics:** Execute advanced SQL queries across MySQL and MS SQL Server databases, perform data integrity verification, and deliver actionable insights.
- **IT Governance & Documentation:** Author and maintain comprehensive IT security documents, user manuals, and technical SOPs to standardize operations and enforce group-wide compliance.
- **Stakeholder Communication:** Act as a trusted technical liaison, translating complex security policies into clear user guidelines and providing empathetic support to cross-functional teams.

Tech Consultant & Web Developer

2023 – Present

Freelance IT & Web Consulting | Independent Services

- **Web Development & Hosting:** Designing, building, and reliably hosting commercial websites utilizing HTML, Node.js, WordPress, and cPanel for end-to-end digital presence solutions.
- **Workspace Solutions (MS365):** Setting up, configuring, and managing Microsoft 365 environments to streamline client operations, email infrastructure, and cloud collaboration.
- **Tech Advisory & Support:** Acting as a trusted technical advisor for businesses, offering expert guidance on IT topics, hardware procurement, and strategic technology decisions.

EDUCATION & CERTIFICATIONS

Certifications & Training

- **CompTIA Security+** – Currently Pursuing
- **ISTQB Foundation Level** – SASTQB (Completed March 2026)
- **Azure Fundamentals** – Microsoft (2022)
- **Network+ Training Curriculum** – UNISA (2018)

Education

- **Diploma in Systems Development**
Boston City Campus – Expected Completion 2026
- **Matric**
Outeniqua High School – 2016

References available upon request.