

Mvula Joseph Mafereka

Systems Engineer

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PROFESSIONAL SUMMARY

Results-driven Systems Engineer with eight years of hands-on experience designing, implementing, and managing enterprise IT and communication infrastructure. Proven expertise across network administration, cybersecurity, cloud computing (AWS, Azure, GCP), and system integration. Skilled at diagnosing complex technical issues, optimising IT environments, and delivering secure, high-availability solutions that support business continuity and operational efficiency.

WORK EXPERIENCE

Systems Engineer | Duferco Steel Processing (Pty) Ltd

Feb 2018 – Present

Saldanha, South Africa

- Designed, configured, and manage LAN, WAN, VPN, and wireless network infrastructure, maintaining 99%+ uptime across all systems.
- Administrate and maintain physical and virtual servers, databases, and storage systems; lead patch management and capacity planning cycles.
- Enforce cybersecurity policies, manage next-generation firewalls and intrusion detection/prevention systems, and conduct periodic security risk assessments to ensure regulatory compliance.
- Architect and manage hybrid cloud environments on AWS, Azure, and Google Cloud; optimise resource usage to reduce infrastructure costs.
- Deploy and maintain virtualisation platforms (VMware vSphere, Microsoft Hyper-V), improving hardware utilisation by consolidating workloads.
- Develop automation scripts in Python, PowerShell, and Bash to streamline repetitive IT operations and reduce manual effort.
- Support enterprise applications and databases, providing Tier 2/3 technical support to end-users and resolving incidents within SLA targets.
- Lead and co-ordinate IT infrastructure projects from requirements gathering through delivery, producing technical documentation and post-implementation reports.

Slots Host | Mykonos Casino

Sep 2017 – Feb 2018

Langebaan, South Africa

- Delivered high-quality customer service on the gaming floor, resolving player queries and complaints promptly.
- Performed first-line diagnostics and minor hardware adjustments on slot machines, minimising machine downtime.
- Executed software and firmware upgrades and recommended hardware replacements to maintain optimal machine performance.

Floor Attendant & Cleaner | VDM Amusement

Jul 2008 – Aug 2017

Langebaan, South Africa

- Resolved customer complaints efficiently, maintaining a welcoming and safe gaming environment.
- Performed routine maintenance and minor repairs on amusement machines, extending equipment lifespan.
- Maintained cleanliness and tidiness of the facility in accordance with health and safety standards.

EDUCATION

BSc (Honours) in Computing

2020 – 2025

University of South Africa (UNISA) · Parow, South Africa

BTech: Information Technology

2015 – 2017

Central University of Technology, Free State · Bloemfontein, South Africa

NDip: Information Technology

2011 – 2014

Central University of Technology, Free State · Welkom, South Africa

National Senior Certificate (Matric)

1999 – 2003

E E Monese Secondary School · Senekal, South Africa

TECHNICAL SKILLS

- **Systems & Infrastructure:** System architecture, server administration, hardware/software integration, disaster recovery
- **Networking:** LAN/WAN, TCP/IP, DNS, DHCP, VPN, routers, switches, firewalls, network monitoring & optimisation
- **Cloud Platforms:** AWS, Microsoft Azure, Google Cloud Platform – deployment, management, and cost optimisation
- **Virtualisation:** VMware vSphere, Microsoft Hyper-V – configuration, maintenance, and workload consolidation
- **Cybersecurity:** NGFW management, IDS/IPS, data protection, security risk assessments, compliance
- **Scripting & Automation:** Python, PowerShell, Bash; Ansible, Puppet for configuration management
- **Problem-Solving:** Root-cause analysis, incident management, multi-priority task management

REFERENCES

Aubrey Keakgwile — IT Plant Support, Duferco Steel Processing | Aubrey.Keakgwile@duferco.co.za | 022 709 7176

Sipho Ketsekile — Logistics Manager, Duferco Steel Processing | sipho.ketsekile@duferco.co.za | 022 709 7100

Bolekwa Mfamela — Slots Host Supervisor, Mykonos Casino | 022 707 6904