Gustav V. Kiewiets Linux Network Administrator | Solutions Architect

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SUMMARY

I am a dynamic and meticulous Solution Architect with a robust background in network infrastructure and security. Proficient in designing and implementing scalable cloud solutions and maintaining high availability systems. As a life-long learner dedicated to leveraging innovative technologies to provide reliable and secure data communications with a strong ability to diagnose and resolve network issues, leading to enhanced operational efficiency.

SKILLS & QUALIFICATIONS

Linux, Networking, System Administration, AWS, Cloud Solutions, Virtualization, Network Security, Cisco, Windows Server 2019/2016, VMware, Load Balancing, High Availability, Firewall Management, Disaster Recovery, Scripting, Documentation, Monitoring, Problem Solving, Technical Support, Data Security

PROFESSIONAL EXPERIENCE

Solutions Architect | Praesignis | Johannesburg | Oct 2023 – Dec 2023
- Architected a highly available, scalable three-tier web architecture on AWS, ensuring optimal performance and security.
- Configured a VPC with six subnets across two availability zones, enhancing network resilience and security.
- Implemented a multi-layered security approach with IAM roles and security groups, safeguarding critical infrastructure.
- Delivered a fault-tolerant architecture that automatically scales based on demand, ensuring a seamless user experience.

Solutions Architect | Praesignis | Johannesburg | Mar 2023 – May 2023
- Spearheaded integration of AWS S3 with a Windows VM, achieving virtually unlimited storage capacity and secure data access.
- Established strict security configurations for S3 buckets, ensuring data protection and compliance with organizational policies.
- Validated and tested integration for seamless data flow between AWS and Windows environments, enhancing operational efficiency.
- Enabled reliable and scalable storage solutions while maintaining high security with IAM policies, benefiting future data initiatives.

Linux Systems Administration | Xgile | Johannesburg | Jun 2021 – Dec 2021
- Managed a complex virtualized infrastructure, ensuring optimal resource allocation for diverse operating system environments.
- Implemented robust monitoring solutions that proactively identified and resolved system issues, improving overall reliability.
- Streamlined deployment processes, reducing setup time for new virtual machines and enhancing responsiveness to business needs.
- Created comprehensive backup and recovery procedures, safeguarding critical systems against data loss and ensuring business continuity.

TECHNICAL PROJECT EXPERIENCE

Network Infrastructure Optimization
- Designed a comprehensive LAN/WAN infrastructure that increased throughput by 40% across multiple departments.
- Developed documentation frameworks for network policies, significantly reducing onboarding time for new network administrators.
- Led research on emerging networking technologies, implementing solutions that improved network scalability and reliability.

Automated Backup Solution Deployment
- Implemented a backup and recovery automation system that increased data recoverability and reduced response time to incidents by 50%.
- Conducted thorough testing and validation for backup solutions, ensuring 100% data integrity during restoration processes.
- Collaborated with IT teams to establish best practices for data handling and storage, which enhanced overall data security.

Network Security Protocols Research
- Reviewed and recommended security updates and patches for network infrastructure, bolstering defense against potential security risks.

OTHER TECHNICAL PROJECT EXPERIENCE – VIRTUAL JOB SIMULATIONS

AWS APAC Solutions Architecture on Forage
- Designed a scalable hosting architecture on Elastic Beanstalk, directly addressing client growth and performance issues.
- Communicated architecture accessibility to ensure client understanding of functionality and cost implications.
- Configured automated deployment processes that ensured seamless updates with minimal downtime, enhancing user experience.

Verizon Cloud Platform on Forage
- Conducted command line tests to evaluate Verizon's VPN product against cloud-native traits such as redundancy and security.
- Researched and documented best practices for cloud application security, presenting insights in comprehensive PowerPoint.
- Collaborated with cross-functional teams to optimize the product's design for enhanced network security and resilience.

Certification

Linux LPIC-1 | A+ Certification
N+ Certification | Cisco Certified Network Associate (CCNA)

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EDUCATION

Diploma in Electrical Engineering | GPA: NA | Intec College

Graduate Computer Skills Short Course | GPA: NA | Intec College

Professional Skills Matrix

	Basic
Languages	1.0
Version Control	1.3
Web Development	2.0
Cloud & DevOps	1.3

Legend: ■ Basic ■ Intermediate ■ Advanced