

Gustav V. Kiewiets

Cloud Engineer | DevOps Engineer | Solutions Architect

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JHB, Greenstone Hill - Edenvale



CERTIFICATIONS

AWS Certified

Solutions Architect

Linux LPIC-1

CompTIA A+

Cisco CCNA

credly.com/users/gustav-kiewiets

Azure – In Progress

EDUCATION

Diploma – Electrical Engineering

Intec College

Graduate Computer Skills

Intec College

DETAILS

South African Citizen

Driver's licence

Own reliable transport

PROFILE

Solutions Architect and Cloud Engineer with hands-on experience designing and deploying secure, highly available infrastructure on AWS. Proficient in Terraform-driven Infrastructure as Code, multi-cloud architecture, VPC networking, and IAM security. Additionally experienced in full-stack web development, REST API design, and front-end implementation. A lifelong learner with an automation-first mindset and a track record of delivering reliable, well-documented solutions. Currently pursuing Azure certification to deepen multi-cloud capability.

PROFESSIONAL EXPERIENCE

Web Developer

Present

Freelance · Johannesburg

- Support ongoing digital projects across WordPress, Wix, and various marketing integrations for multiple clients.
- Handle initial setup, configuration, and ongoing maintenance of websites on WordPress and Wix platforms.
- Implement integrations including forms, mailing lists, XML feeds, and landing pages connected to WordPress sites.
- Conduct front-end updates and light layout/UX work using Figma; collaborate with clients via Slack.

Full Stack Developer

May 2025 - Jul 2025

FNB · Johannesburg

- Developed a comprehensive server data management application providing robust backend functionality, REST API endpoints, and an intuitive user interface for data interaction and visualisation.
- Applied full software development lifecycle (SDLC) practices: requirements, design thinking, UX principles, development, testing, and delivery.
- Built and integrated REST APIs covering data input, processing, and output; implemented backend logic and connected it to a front-end UI.
- Collaborated using GitHub for version control and team workflows; applied user-centric design principles including basic layouts, transitions, and UX best practices.
- Gained exposure to AI in development, business funding concepts, and data management and analysis techniques.

Solutions Architect

Oct 2023 - Dec 2023

[Praesignis](#) · Johannesburg

- Architected a highly available, scalable three-tier web application on AWS across two availability zones, ensuring fault tolerance and disaster resilience.
- Designed a VPC with six subnets across two AZs with routing tables, NACLs, and security groups enforcing network segmentation and least-privilege access.
- Implemented multi-layered IAM roles and security groups to safeguard critical infrastructure.
- Delivered auto-scaling architecture responding to demand, ensuring seamless user experience and efficient compute utilisation.

Solutions Architect

Mar 2023 - May 2023

[Praesignis](#) · Johannesburg

- Integrated AWS S3 with Windows VM workloads; established strict bucket policies and IAM roles ensuring data security and compliance.
- Validated end-to-end data flow between AWS and on-premises Windows environments, enhancing operational reliability.

Linux Systems Administrator

Jun 2021 - Dec 2021

[Xgile](#) · Johannesburg

- Managed complex virtualised infrastructure ensuring optimal resource allocation across Linux and Windows environments.
- Implemented proactive monitoring solutions identifying and resolving issues before impacting availability.
- Designed backup and recovery procedures safeguarding critical systems and ensuring business continuity.
- Streamlined VM provisioning processes, reducing deployment time and improving responsiveness to business needs.

PROJECTS & SIMULATIONS

Multi-Cloud Infrastructure Automation

2023 - Ongoing

[Personal Project](#) · Terraform, AWS, Azure, Git

- Deployed production-ready multi-cloud storage across AWS and Azure with Terraform workspace isolation for dev/prod environments.
- Implemented remote state management: S3 + DynamoDB (AWS) and Azure Blob Storage with blob-lease locking.
- Designed environment-agnostic config using Terraform workspaces; achieved redundancy across 4 regions including Cape Town and South Africa North.
- Applied security best practices: credential templating, gitignore patterns, encrypted remote state storage.

AWS APAC Solutions Architecture

2023

[Forage Simulation](#)

- Designed scalable Elastic Beanstalk hosting with CI/CD, autoscaling, CloudWatch monitoring, and cost optimisation.

Verizon Cloud Platform Security

2023






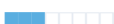

[Forage Simulation](#)

- Tested VPN products against cloud-native traits (redundancy, IPsec, SSL/TLS), documented cloud security best practices.







SKILLS MATRIX

Self-assessed proficiency · Basic = 1-3 · Intermediate = 4-6 · Advanced = 7-10










Cloud & DevOps

AWS (VPC, IAM, EC2, S3)		Advanced
Terraform / IaC		Advanced
Multi-cloud Architecture		Intermediate
Azure		Basic
CI/CD Pipelines		Intermediate
Containers / Docker		Basic
Kubernetes (EKS/AKS)		Basic






Networking & Security

VPC/Subnet Design		Advanced
Firewall / Security Groups		Advanced
IAM & RBAC		Advanced
VPN / Hybrid Connectivity		Intermediate
Cisco Networking (CCNA)		Intermediate
Network Monitoring		Intermediate

Development & Systems

Linux Administration		Advanced
REST API Development		Intermediate
HTML / Front-end		Intermediate
WordPress / Wix		Intermediate
Bash Scripting		Intermediate
Python		Basic
VMware / Virtualisation		Intermediate
Git / GitHub		Intermediate
Figma (layout/UX)		Basic

Professional Skills

Documentation		Advanced
Problem Solving		Advanced
Technical Communication		Advanced
Design Thinking		Intermediate
Client Collaboration		Intermediate

References available upon request