

JARRED THOMAS

Hybrid Cloud DevOps Engineer

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PERSONAL SUMMARY

DevOps Engineer with **nearly five years** of professional experience managing high-availability production networks and multi-cloud infrastructure for over **2,000 clients globally** across **AWS, Azure, Huawei, and SAP HANA** on Linux servers. Worked with South Africa's '**Top 4 banks**'. Proven expert in driving system reliability, automation, and security, serving as a primary escalation point for critical global clients and mentoring first-level engineers.

Most recently, led the **end-to-end design and delivery** of a DBaaS migration platform for a major South African bank on a strict **no-ClickOps and IaC-only** strategy, with a business case projecting an approximately **20–35% reduction** in database estate run-costs and a **gross TCO saving of approximately \$6M annually**.

PROFESSIONAL EXPERIENCE

Hybrid Cloud DevOps Engineer | RedMPS Professional Services | February 2026 – Present

- Lead end-to-end design and delivery of a DBaaS migration platform for a major South African bank; business case projects a **20–35% reduction** in database estate run-costs and a **gross TCO saving of approximately \$6M annually**, built on a strict **no-ClickOps and IaC-only** strategy.
- Accelerate manual infrastructure provisioning time **by over 60%** (exceeding SLO) through Terraform and custom automation workflows (PowerShell, Python, Bash).
- Accelerate incident response and **resolution times by 80%** through Prometheus and Grafana integration, delivering real-time, actionable alerts.

Cloud Engineer | SEIDOR Networks | May 2024 – February 2026

- Ensured infrastructure reliability by managing PostgreSQL databases, supporting CI/CD pipelines, and implementing AWS security hardening across hybrid environments.
- Strengthened infrastructure security by containerising workloads (Docker) and orchestrating clusters (Kubernetes on EKS and bare metal), adhering to the AWS Well-Architected Framework.
- Reduced repeated backup **disk failure alerts by 83%** by designing and scaling a SQL Server backup automation initiative company-wide.
- Developed a FinOps cost monitoring Bash script to automate identification of underutilised resources, delivering approximately **\$8,000 in annualised savings** on idle cloud spend.

Network & Security Engineer | Angamma Charitable Trust | March 2023 – May 2024

- Secured multi-site network infrastructure managing over 30 Cisco routers, SOPHOS firewalls, and VPNs, resulting in **zero breaches** over the contract period.
- Reduced firewall rule **complexity by 15%** while aligning configurations with least privilege principles to maintain compliance.

Junior Network Engineer | Lorge Consulting Services (Pty) Ltd | January 2022 – February 2023

- Reduced recurring **networking issues by 60%** and **increased uptime to 99%** by optimising the network.
- Enforced segmentation and access policies using VLANs and SOPHOS firewalls.
- Administered Microsoft Entra ID and managed IAM role provisioning for 200 users.

KEY PROJECTS

CloudForgeX — AI-Powered Serverless Portfolio

- Integrated an AI chatbot using Claude Instant via Amazon Bedrock, delivering a serverless application with sub-2s response times.
- Architected a production-grade serverless application using AWS Lambda, API Gateway, and DynamoDB, achieving **99.9% uptime**.

Technologies: Lambda, API Gateway, DynamoDB, Bedrock, Terraform, Python, SageMaker AI

Docker and Kubernetes Container Security Falcon

- Developed a secure FastAPI microservice with integrated vulnerability scanning via Trivy to achieve **zero critical vulnerabilities** at deployment.
- Deployed containerised workloads on a production-ready Kubernetes cluster, enforcing RBAC and namespace isolation.

Technologies: Docker, Kubernetes, FastAPI, Python, Trivy, GitHub Actions, RBAC

TECHNICAL SKILLS

Cloud Platforms: AWS, Azure, Huawei Cloud Stack (HCS), Linux

IaC & Automation: Terraform, Azure DevOps Pipelines, GitHub Actions, PowerShell, Bash, Python

Containers & Security: Docker, Kubernetes, RBAC, Trivy, Namespace Isolation

Monitoring & Observability: Prometheus, Grafana, Alertmanager, AWS CloudWatch, Huawei AOM

Databases: PostgreSQL, SQL Server, MySQL, DynamoDB, GaussDB (HCS), Redis

CERTIFICATIONS

AWS Certified Solutions Architect – Associate | AWS Certified Generative AI Developer – Professional | Cisco Certified Network Associate (CCNA) | Linux Foundation Certified Systems Administrator | HashiCorp Certified: Terraform Associate