

# TSHEGOFATSO LEGWALE

DevOps Engineer

## DETAILS

### ADDRESS

Cape Town  
South Africa

### PHONE

0683984834

### EMAIL

legwalet1@gmail.com

### DATE OF BIRTH

1991/01/21

## SKILLS

Problem Solving

Problem Solving

Time Management

Teamwork

Leadership Skills

Communication Skills

Fast Learner

Communication

Ability to Work in a Team

Microsoft Office

## PROFILE

Bilingual DevOps engineer with background designing, testing and implementing infrastructure and applications. Talented performer with over 7 years of experience using source control tools to identify and fix bugs in code. Consistent team player with exemplary multitasking skills. Critical thinking DevOps engineer with extensive understanding of high availability architecture and concepts. Purpose-driven professional with capacity to be strong team player plus work effectively independently. Flexible professional with experience developing and building IT solutions. Confident DevOps Engineer with exemplary expertise in routine application maintenance tasks, including troubleshooting and testing. DevOps/SRE with over 7 years of successful experience in monitoring and automation. Recognised consistently for performance excellence and contribution to success in DevOps industry. Strength in container and cloud infrastructure backend training in DevOps.

## EMPLOYMENT HISTORY

### Site Reliability Engineer (SRE), ExploreAi

Aug 2023 — Present (Remote)

- **Monitor System Performance and Reliability:** Continuously track system metrics and logs to detect anomalies, bottlenecks, and potential issues before they impact users.
- **Incident Management:** Respond promptly to incidents, perform root cause analysis, and implement long-term solutions to prevent recurrence.
- **Automate Repetitive Tasks:** Develop and maintain scripts and tools to automate routine operational tasks, reducing manual intervention and human error.
- **Capacity Planning and Scaling:** Analyze current usage trends and forecast future needs to ensure systems can scale efficiently and handle increased load.
- **Collaboration with Development Teams:** Work closely with developers to design and implement scalable, resilient, and efficient software architectures.
- **Implement and Manage CI/CD Pipelines:** Ensure smooth deployment processes by building and maintaining continuous integration and continuous delivery pipelines.
- **System and Application Security:** Regularly review and enhance security measures, conduct vulnerability assessments, and apply patches to protect against threats.
- **Documentation and Knowledge Sharing:** Maintain comprehensive documentation of systems, processes, and incident reports, and share knowledge with team members to foster continuous improvement.

SQL



MySQL



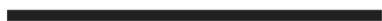
PHP



Linux



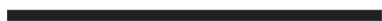
HTML & CSS



Git



Kubernetes



Ansible



Jenkins



Docker



Amazon AWS



Linux Administration



Bash Scripting



Octopus



CI/CD



VMware



GitHub



Git



Apache



Bash



Terraform



Vault



Docker



- **Performance Tuning and Optimisation:** Identify opportunities to improve system performance and efficiency through tuning and optimisation techniques.
- **Disaster Recovery Planning:** Develop, test, and maintain disaster recovery plans to ensure business continuity in the event of major incidents.

## DevOps Engineer , Paygate / DPO-Group

Apr 2021 — Sept 2023

- Manage methods of deployment (development, testing and production) and the processes and tools required to execute those deployments.
- Manage continuous integration systems used to build software products.
- Manage the software development tools used by the development team and ensure they are scalable and failure-proof.
- Created failure management processes and tools outages can be handled without causing a loss of delivery
- Champion changes for tools and processes to improve the efficiency and effectiveness of the development team.
- Manage issue tracking and agile development tools (Atlassian Jira)
- Automate parts of the development delivery process using scripts and other appropriate tools.
- Document processes and user guide for integrated tools and scripts.
- Devised and develop analytical methods and tools to measure the efficiency of products and processes.
- Advise on new technologies and methodologies by investigating and researching emerging technologies and tools to automate processes.

## Co-founder, CTO , Leno Digital communications

Mar 2020 — Mar 2021

- I started a digital communication company in hopes to contribute to the covid 19, by delivering digital communication between learners, teachers and parents. This was all because of Wonga going through a liquidation phase, during this time I traveled to Mozambique in hopes of expanding the business, with covid 19 reaching the highest point I came back to South Africa to expand it here. The organisation was a startup hoping to help the education sector.

## DevOps Engineer / Site Reliability Engineer, Wonga

Oct 2017 — Aug 2019

- Monitored automated building and continuous software integration process to drive build / release failure resolution
- Interfaced with cross-functional team of business analysts, developers and technical support professionals to determine comprehensive list of requirement specifications for new applications
- Drove project lifespan from concept to final rollout in CI/CD deployment, system deployment, testing and monitoring for Wonga technology.
- Researched and identified new technologies and tools helping to grow agile development environment.
- Investigated new and emerging software applications with DevOps best practice to design, select , implement and use administrative information systems effectively · Collaborated with cross-functional development team members to analyse potential system solutions based on evolving client requirements

## DevOps Consultant, Airvantage (pty) Ltd

Feb 2017 — Sep 2017

## IT Intern / IT Support / Junior DevOps , Grindrod Bank

Jun 2012 — Feb 2017

Datadog



Monitoring



Grafana



Nginx



Apache Tomcat



HA proxy



Traefik



Rabbitmq



Active Directory



AWS lambda



AWS ec2



AWS CodeDeploy



AWS Cloudformation



AWS Route 53



AWS application load balancer



AWS network load balancer



AWS Systems manager



AWS WAF & Shield



AWS S3



AWS cli



## LANGUAGES



English



Tswana



## EDUCATION

### Btech hnd level 5 in Information Technology, CTI Education Group

Feb 2009 — Nov 2011

### Diploma in Information Technology , CTI Education Group

Feb 2009 — Nov 2011

## PROJECTS

### DPO Group / Paygate

- Configure Hashicorp Vault and Consul
- Configure AWS VPC using terraform
- Configure infrastructure using Ansible
- Configure zabbix with HA using docker-compose and terraform for infrastructure
- Configure patch solution using AWS patch manager
- Deployed code using AWS lambda
- Configured code-deploy · Configured firewall rules using AWS rules
- Configure serverless application using lambdas and S3
- Configure ALB and NLB on AWS
- Configured application deployment using cloud formation and code-deploy
- Using cloudwatch to monitor lambda and ec2 instance logs
- Configure DNS with AWS route 53
- Configure cloudformation and used it to invalidate after deployments
- Used rancher to monitor and configure kubernertes
- Setup and improved CI/CD using gitlab CI pipelines
- On call standby using pagerduty
- Use terraform and ansible to provision infrastructure

### Wonga

- Configuration of datadog clients using chef
- Windows and Linux updates and vulnerabilities assessment and security patches
- Installing and monitoring services using splunk
- Configuration and monitoring using Zabbix
- Setting up of maintenance windows on datadog, zabbix and pagerduty before release.
- Monitoring and deploying services using octopus
- 24hr 1st line support of the production environment.
- Monitoring server resources using zabbix and datadog. Applying Linux security updates.
- Configuration of S3 bucket using terraform.
- Monitoring and maintenance of all AWS environment.
- Creating powershell scripts to improve monitoring.
- Firefighting with developers
- Repository management on gitlab

### Airvantage

- PostgreSQL replication and backups using tools like Ansible
- Running shell scripts to check the services running · Perform functional testing on we-based systems
- Deployment of multi-architecture solutions.
- Scripting and automation in the Linux environment
- Database installation, scripting and monitoring.
- Alert management, system administration, Linux
- Server visualisation and consolidation.

- Analysing data and conducting compatibility and quality assurance testing.
- Testing and validating work produced as part of the development process.
- Working with multidisciplinary team to convert business needs into technical specifications.

## Grindrod Bank

- Configuration of servers using Ansible
- Configuration of vagrant to create development environment.
- Configure and create alfresco (document management system) with Ansible playbook.
- Configure sonarqube • Configure firewall and firewall rules on ubuntu server.
- Configure owncloud, configuration of redmine and redmine plugins. • Configure zumor with Ansible for department document management system solution.
- Configure proxy server with apache2 with the combination of my knowledge of PostgreSQL maintenance.
- Configure ftp or vsftp on ubuntu 14.04 • Configure zenoss on ubuntu 14.04 and setup snmp on windows machine to be monitored.
- Renew ssl certificate for ubuntu 14.04 server running apache2 website.
- Configure development, pre-production, UAT and production environment for developers.
- Configure hot standby for postgresql production server as part of a backup solution.
- Configured vagrant on VMware as a local instance.
- Update and installation of VMware and VMware tools as part of security.
- Run Jenkins jobs and maintenance of any updates in both production and preproduction.

References & Documentation Available on Request