



# Ruan du Toit

SENIOR DEVOPS ENGINEER / PLATFORM ENGINEER

## Profile

I have over ten years of experience as a DevOps Engineer, Cloud Engineer, Linux Administrator, and Systems Engineer in DevOps, SCM, CI/CD (Continuous Integration/Continuous Deployment) Processes and Pipelines, Infrastructure Automation, Configuration Management, Administration, and Automation on Unix/Linux-Based Systems working in various environments including Red Hat Enterprise, Centos, Ubuntu and Windows platforms. I have experience with Cloud Technologies including VMware, Amazon Web Services (AWS) and Google Cloud Platform. I am a passionate and dedicated engineer with a love of new technologies.

## Employment History

### Senior DevOps Engineer, UNEP-WCMC, Cambridge

JANUARY 2024 – PRESENT

- Secured the network and systems through the implementation of best-practice security policies and procedures
- Optimized performance by tuning system parameters and troubleshooting issues
- Implemented Zabbix rollout and migrated from Nagios for Monitoring
- Automation in Ansible with AWX
- Infrastructure Audit of AWS / Azure / Linode Cloud providers for Security and cost-saving
- Deployment of Applications
- Management and deployment of Netbird mesh networking for controlled access to resources
- Terraform refactoring of current infrastructure
- Migrating Jenkins to GitHub CI/CD

### Staff Engineer, DevSecOps (Platform Team Manager) , Agile Analog, Cambridge

JANUARY 2023 – JUNE 2023

- Platform Team Line Manager
- Managing Jira Projects and Help-desk service for the Platform Team
- Team planning for Project work and setting internal goals
- Introduction of KASM Workspace for high-security environments
- FortiGate / FortiClient Management and deployment
- Cost Saving in AWS with Modified CentOS 7 AMI that could hibernate
- VPC Peering for Projects that needed high-security environments
- Slack integration to notify activity on high-security infrastructure
- Managing our ECR on AWS and making sure all the docker images were secure
- Managing the AWS Security Hub and CloudTrail with custom alerts

### Senior Engineer, DevSecOps, Agile Analog, Cambridge

APRIL 2022 – DECEMBER 2022

- Creating Secure VPC with FortiGate Access and Monitoring
- Project Based VPCs with Terraform
- Security Monitoring and deployment of UniFi Products
- Management of Comms Room and Deployment of Office Network
- Internal programs to monitor Root Activity
- Backup Management on AWS

## Details

Ely, CB6 3AT  
United Kingdom  
+447506679669  
[hello@ruandutoit.online](mailto:hello@ruandutoit.online)

NATIONALITY

South African

DRIVING LICENSE

Yes

DATE / PLACE OF BIRTH

23/02/1984

Cape Town

## Links

[LinkedIn](#)

## Skills

DevOps

Amazon Web Services

CI/CD

Terraform

Linux

Python

Bash Scripting

MySQL

Chef

Perl

Ruby on Rails

AWS

VMware

Docker

Jenkins

NGINX

Zabbix

- Security Audits on AWS Infrastructure
- AD / LDAP Management and integration

## Platform Engineer, Agile Analog, Cambridge

SEPTEMBER 2021 – APRIL 2022

- AWS Management / Cost Savings / Monitoring / Security
- Puppet Management and deployment of all infrastructure related resources
- Implementation of Foreman 3.x to monitor Puppet
- Zabbix Server Management and deployment of Agents
- HashiCorp Vault Deployment and Management
- Terraform for Staging / Production Instances
- GitLab / Jira / Slack / Zoom Administration

## DevOps Engineer (Core Network Team), RSAWEB

JUNE 2018 – SEPTEMBER 2021

- Management of all Core Networking Server Infrastructure
- GitHub Actions pipelines and automated deployment
- Management of FreeRADIUS Servers
- Management of Zabbix Platform for RSAWEB Network
- Deployment of Sandvine PacketLogic
- Integration of Python into InfluxDB for Creation of Metric Dashboards
- Deployment of Netdata
- Creation and Deployment of TICK Stack for Dashboards
- Construction of Multiple Access Control Servers with FreeRADIUS
- Notification System Integration - Telegram / Slack / IRC / SMS
- Database Cluster Management - MySQL / MongoDB
- Creation of Network Probes - Metric Collection from Fibre Network Operators
- Deployment of PowerDNS Servers for DNSSEC Compliance
- Planning and Deployment of Mobile Network Application Infrastructure
- Design and Execution of Fixed Mobile Network Application Infrastructure

## Cloud Engineer, RSAWEB

SEPTEMBER 2017 – SEPTEMBER 2021

- Linux Server Deployment with Chef and Terraform
- AWS and VMware Cloud Infrastructure
- Management of Shared Hosting Docker Cluster
- Security and Penetration Testing Internal Core Services
- Virtual Data Center Management and Training
- Data Center Upgrades - Racking New Hardware
- NGINX and PHP-FPM Optimization
- Continuous Integration (Jenkins / Github Actions)
- Database Load Balancing - ProxySQL / Percona
- Custom Bash / Perl / Python Scripts for Automation and Deployment
- Managed Backup Systems from VMware (Veeam)

## DevOps Engineer, InventCommerce (SQLi)

NOVEMBER 2013 – SEPTEMBER 2017

- Server Infrastructure Management - Pearson / Easydry / Guthy / Danone
- Server Architecture Planning - Edcon
- Internal Support - Technical / PBX Systems
- Continuous Integration - Jenkins
- Monitoring Server Application
- Linux Server Administrator
- Virtualization and Container-Based Consultant (Docker)
- Load Testing - Clicks / Edcon / Danone (jmeter)

## Network Administrator / Engineer, F1 IT Solutions

GitHub

Gitlab

Puppet

## Hobbies

Hardware Hacking  
Hackintoshing  
Gaming  
Technology Trends  
Coding

## SOFT SKILLS

Curiosity  
Empathy  
Leadership  
Adaptability  
Enthusiastic  
Communication  
Teamwork  
Time Management  
Creative Thinking  
Analytical Thinking  
Interpersonal Skills  
Decision Making  
Resilience  
Problem Solving  
Customer Focused  
Flexibility  
Collaboration  
Proactive

## Languages

English

Afrikaans

JANUARY 2011 — DECEMBER 2011

- Construction of Websites and Business Cases for Company Investment
- Project Conception, Execution, Management for Existing and New Clients
- Management of SLA Contracts for Multiple Companies
- Sales and Support of Hardware Requirements for Clients
- Repair and Installation of Apple Products for Home Users

### **Server Administrator, Edidor**

APRIL 2008 — DECEMBER 2010

- Creation of Virtual Servers and Code Deployment for Projects on AWS
- Domain and SSL Web-Server Registration and Management for Production
- Maintenance of Tomcat Web-Servers and Deployment Scripts
- Deployment and Monitoring of Projects via Jenkins - Seenowdo.com / PAL
- Security Monitoring and Intrusion Detection - Penetration Testing

### **Mid-Level Workshop Technician, Datatype IT**

DECEMBER 2003 — JUNE 2005

- Management of Junior Technicians in Repair of Desktops and Laptops
- Maintenance of Efficient Working Environment to Rapidly Resolve Client Issues
- Diagnosis of Technical Problems, Scheduling, and Approval of Completed Work
- Production of Estimates, Invoicing and Procurement of Repairs
- Modification and Upkeep of Software Through Menu and Command Interfaces
- Construction of Custom Hardware Aligned with Client Needs
- Installation of Computer Networks Utilizing Network Hubs and Switches
- Construction and Administration of Windows and Linux Servers

## **Education**

### **Cisco Certified Network Associate, I2KO, Cape Town**

SEPTEMBER 2005 — SEPTEMBER 2005

Network Fundamentals, LAN Switching Technologies, Routing Technologies, WAN Technologies, Infrastructure Services, Security and Management

### **IT Engineering, CTI / Cambridge Correspondence, Cape Town**

JANUARY 2003 — DECEMBER 2003

A+, Network+, I-net+, NT4 Server, 2000 Professional, 2000 Server, Using Linux, Linux Admin, Novel 5, Customer Care

### **Matric Exemption, CuRRO High School, Cape Town**

JANUARY 2000 — DECEMBER 2002

Computer Studies, Science, Mathematics, Biology, English, Afrikaans

## **References**

References available upon request

## **Courses**

### **HashiCorp Certified: Terraform Associate, Udemy**

MARCH 2021 — APRIL 2021

### **AWS Certified DevOps Engineer - Professional, Udemy**

MARCH 2021 — MAY 2021