



## DevOps Eng 4

Age:29

City: Cape Town

Gender: Male

Ethnicity: African

He brings over a decade of DevOps expertise, excelling in implementing and adhering to DevOps principles while demonstrating a remarkable ability to establish DevOps frameworks from inception, driving impressive outcomes. With a passion for dynamic projects, He seamlessly integrates his extensive hands-on experience in software development, boasting four years of proficiency in Python, HTML, CSS, JavaScript, PHP, Vue JS, MySQL, and more.

With three years of Site Reliability Engineering (SRE) under his belt, He is adept in cloud environments, particularly Azure, though also familiar with AWS and other platforms. His prowess extends to integrating systems with third-party solutions, showcasing a consistent track record since 2015 in navigating challenges associated with data exchange, APIs, and web services.

A master in managing web services, he demonstrates proficiency across all facets, from deployment to security, monitoring, and scaling. His expertise extends to Elasticsearch and similar technologies, evident in his successful implementation and management of Elasticsearch clusters for enhanced search capabilities and data analytics at Lula. A proponent of open-source solutions, his toolset includes Prometheus and Grafana for monitoring, complementing his practical experience with Datadog. While familiar with Cloudflare, his deeper expertise lies in platforms like Amazon CloudFront for seamless application delivery and security management.

In Azure, he showcases a multifaceted approach to infrastructure management and cost optimization, leveraging automation tools like Azure Automation and Functions. He employs Azure Cost Management and Billing to monitor consumption patterns, craft policies, and optimize resource allocation, consistently driving cost-effectiveness while maintaining performance standards. Through his strategic prowess and proficiency in serverless computing, He consistently delivers substantial cost savings while aligning infrastructure expenditures with organizational objectives.

## Work History

**Position:** Senior DevOps Engineer

**Duration:** 2023 to Current

**Company:** Fintech sector

Lula is a leading Fintech company specializing in business funding.

As an Azure DevOps Engineer at Lula, he played a pivotal role in optimizing software development and delivery processes through leveraging Microsoft Azure DevOps tools and services. Collaborating with cross-functional teams, he focused on streamlining workflows and enhancing overall efficiency to achieve business goals and maintain a stable and scalable development environment.

- Azure Cloud Management: Designed, deployed, and secured Azure solutions. Optimized resources and collaborated with the Site Reliability team.
- CI/CD Pipeline Mastermind: Crafted & enhanced CI/CD pipelines for seamless code integration, automated testing, and rapid deployments.
- Infrastructure Automation Champion: Automated infrastructure with IaC, promoting consistency across environments.
- Security & Compliance Guardian: Implemented secure Azure resources and maintained compliance with industry standards.

- Collaboration and Communication Hub: Fostered a DevOps culture, collaborating with teams and communicating effectively.
- Azure Sensei: Served as the technical go-to, mentoring junior team members.

*Technologies:*

- Security: Sentinel, Azure Policy, Azure Defender, Azure Security Center
- Development: Languages - C#, Frameworks - .NET, Databases - Azure SQL.
- Version Control: Git
- CI/CD : Azure DevOps
- Monitoring & Observability Guru: Azure Monitor, Grafana, Prometheus, SCOM, ZScaler
- Scripting Sorcery: PowerShell, Python
- Container Orchestration: Azure Kubernetes Service
- IAC: Terraform, ARM, Bicep

*Reason for leaving:*

- He joined the company with the understanding that he would lead the establishment of a new DevOps team within the Credit department, initially contributing to the existing DevOps team. However, following a strategic shift within the company, plans for the second DevOps team were abandoned, rendering the original purpose of his acceptance obsolete.
- Maintaining transparency, he communicated to management his dissatisfaction with the current role's lack of challenge, highlighting that his decision to accept the position was contingent on the opportunity to pioneer the DevOps team, which is no longer feasible.

**Position: Senior Site Reliability Engineer**

**Duration: 2021 to 2023**

**Company: Information and Communications Technology (ICT) sector**

This company is a prominent global technology services company providing innovative solutions.

As a Senior Site Reliability Engineer (SRE), he contributed to the reliability, scalability, and performance of mission-critical systems and platforms that support our clients worldwide. Leveraged automation, proactive monitoring, and problem-solving skills to ensure infrastructure stability and optimal user experience.

- Infrastructure: Design, deploy & manage reliable, scalable infrastructure aligned with ITIL service strategy and design principles. Automate provisioning / config, optimize performance and resource usage, implement disaster recovery plans.
- Monitoring and Alerting: Develop & implement comprehensive monitoring systems, design and maintain alert systems for proactive issue identification and diagnosis. Perform root cause analysis and implement corrective actions.
- Automation & Tooling: Develop and implement automation tools for infrastructure and operational tasks, integrate with other systems, identify opportunities for further automation and improvement.
- Application Support: Collaborate with devs to understand app needs and dependencies, optimize performance and troubleshoot issues, provide guidance & support on best practices.
- Process Improvement: Identify & implement opportunities to improve operational efficiency and effectiveness, define and document procedures, share knowledge and best practices.
- Mentorship and Leadership: Mentor and guide junior SREs & team members, contribute to technical direction and decision-making, foster a culture of collaboration and continuous improvement.

*Technologies:*

- Security: Sentinel, Azure Policy, Azure Defender, Azure Security Center.
- API Management: Azure API Management, Kong..
- Version Control: Git.
- CI/CD : Azure DevOps, GitLab CI/CD, GitHub Actions, Jenkins.
- Monitoring & Observability: Azure Monitor, SCOM, ZScaler, DataDog, AppDynamics. SolarWinds, PRTG Network Monitor.
- Scripting: Bash, Python, Golang.
- Log Management: Splunk, ELK Stack, Azure Log Analytics.
- IAC: Terraform, ARM, Bicep.

*Reason for leaving:*

- He was head hunted for another exciting role to start up a DevOps team and environment from scratch within the finance space.

**Position: Senior DevOps Engineer & System Administrator**

**Duration: 2020 to 2021**

**Company: Travel and Tourism sector**

A leading company within the Tourism and Leisure sector.

- It was a fun role as there was no DevOps, it was an interesting phase as the company was growing, the website was built up and they had to optimize it and security become critical.
- He made recommendations to go from On Prem to Cloud and they went to Azure but also touched on AWS.
- They had a lot of data on prem thus the cloud migration process had to take place, this is the biggest project he worked on.
- Developed DevOps and had to decide on principles, they decided to go with Opensource tools.
- Developing and standardizing everything and ensuring they are aligned with principles and standards.
- Ensuring security practices was up to standard.
- Migrating on-premises infrastructure and applications to cloud environments, utilizing AWS and Azure.
- Automating the deployment and scaling of the Django application using tools such as Ansible, Terraform, and Docker.
- Configuring and maintaining the hosting infrastructure, such as web servers and databases, to support the Django application.
- Implementing continuous integration and continuous deployment (CI/CD) pipelines for the Django application.
- Monitoring the performance and uptime of the application and quickly resolving any issues that arise.
- Troubleshooting and fixing bugs.
- Implementing security best practices to secure the Django application and the underlying Infrastructure.

#### *Technologies:*

- Languages: SQL, Python, HTML, CSS, JavaScript.
- Frameworks: Django..
- Databases: PostgreSQL, MySQL, Django ORM
- Version Control System: Git.
- Build Automation: GitLab CI/CD, Gitlab Runner.
- Monitoring: Grafana, Prometheus.
- Containerization: Docker, Docker-Compose.
- Container Orchestration: Docker SwContainer Orchestration:
- Cloud Computing: AWS, Azure, Linode, Digital Ocean.
- Operating System & Administration: CentOS 7 Linux.
- Web Servers: Apache, Nginx.
- Networking: TCP/IP, DNS, DHCP, and firewall.
- Security: Snyk.

#### *Reason for leaving:*

- He had done everything he had to do after setting up the DevOps, and hired DevOps staff and having done excellent documentation they could carry on with the maintenance of the environment as he had done excellent groundwork.
- He was headhunted by a global company and wanted to gain experience working for a much larger experience to stretch his knowledge base.

#### **Position: Senior Django Developer**

**Duration: 2019 to 2020**

#### **Company: Travel and Tourism sector**

A leading company within the Tourism and Leisure sector. The Company owns some of the premier Tourism, Travel & Leisure Brands in South Africa and abroad. CUSD functions as the internal IT branch of this conglomerate, designing, building and maintaining its in-house tour booking and management software.

- Writing clean, reusable and efficient code
- Implementing user authentication, authorization and security features
- Designing and implementing database models and migrations
- Debugging and fixing issues
- Optimizing and scaling the application
- Collaborating with team members and stakeholders to understand requirements and deliver solutions.

#### *Technologies:*

- Languages: Python, HTML, CSS, JavaScript, PHP.
- Frameworks: Django, Vue.js.
- Databases: PostgreSQL, MySQL, Django ORM.
- Version Control System: Git.
- Build Automation: GitLab CI/CD, Gitlab Runner.
- Containerization: Docker, Docker-Compose.

#### *Reason for leaving:*

- They needed a DevOps engineer and since he already had the skills which he gained from running his own business, they decided start a new DevOps team and he was tasked with starting the DevOps functionality within the company and since he had hands on programming experience and DevOps experience he was the perfect person for the job.

**Position:** Co – Owner & Lead Developer

**Duration:** 2015 to 2019

**Company:** Education sector

Was an online tutoring company that leverages technology to enhance the learning experience for its students.

- He was one of the co-founders of this business, an online tutoring platform, video calling with links, tutoring students, setting up calendars and handling lesson payments.
- His introduction to programming started as part of his Physics degree which he used when he started this business alongside his partner.
- He was responsible to use Python, Django framework, HTML, CSS and JavaScript to develop a web application which is the online tutoring platform.
- Design and develop the web application to meet the company's requirements for an interactive and user-friendly virtual classroom experience.
- Implement and integrate new features, functionalities, and improvements to enhance the virtual classroom platform. Write efficient, clean, and maintainable code, and ensure the platform's performance and security.
- Debug and troubleshoot technical issues and perform maintenance and upgrades.
- Collaborate with the team to understand user needs and improve the overall user experience.
- Stay updated with industry advancements and recommend new technologies or tools that can improve the platform's functionality and performance.

*Technologies:*

- Languages: SQL, Python, HTML, CSS, JavaScript.
- Frameworks: Django.
- Databases: PostgreSQL, MySQL, Django ORM.
- Version Control System: Git.
- Build Automation: GitLab CI/CD, Gitlab Runner.
- Containerization: Docker, Docker-Compose.

An online tutoring company that he owned and ran from 2015. He subsequently sold it, with its intellectual property, and joined MIP as a Software Engineer. However, He still had lots of ideas about new features that would have elevated the user experience and thus aided in their quest to improve their marks. Recently had some free time, so he went and built an app that has many of those features. Also had the goal of honing a list of skills in the process of building this web app.

*Technologies:*

- Languages: SQL, Python, HTML, CSS, JavaScript
- Frameworks: Django.
- Databases: PostgreSQL, Django ORM
- DB Load balancing and high availability : Patroni, Etc, Watchdog, Keepalived, Haproxy
- Webserver: Nginx
- Operating Systems: Linux, Windows
- Build Automation: GitLab CI/CD, Gitlab Runner
- Containerization: Docker, Docker-Compose, Docker Swarm

Get in touch, if you would like him to set you up with a user or if you would like him to take you through the application and the code base.

*Reason for leaving:*

- Sold the Company in part as a Partnership they had different goals going forward.

## Education

**Grade 12.** Wynberg Boys High School, 2013.

**BSc Physics.** University of Cape Town, current ( integrated post grad BSc with Masters).

Certifications

- 2023 - Microsoft Fundamentals [AZ 900]
- 2024 - Microsoft Azure Administrator [AZ 104]

## Salary

Before Deductions:	R 110 000.00
Salary Expectations:	R 125 000 – R 130 000.00 per month

*"Thank you for considering our applicant! To schedule an interview, please reach out to your Talent Acquisition Specialist."*

