



## DevOps Eng 7

Age: 45

City: Pretoria

Gender: Male

Ethnicity: White

He brings a wealth of over 20 years of IT experience, providing a comprehensive understanding of the IT landscape. He commenced his career in hands-on software development, proficient in languages like C++, C#, PHP, and Embedded development, and has also delved into IT infrastructure. Over the last 7 years, He has honed his expertise in DevOps engineering, which has become his specialty. He is well-versed in both AWS and Azure DevOps.

He has managed the Vodafoneziggo Netherlands Country Platform with finesse, overseeing AWS infrastructure, CloudFormation, Terraform, Ansible, and a robust monitoring stack that includes Qualys, Logstash, Filebeat, Kibana, Rancher, Grafana, Prometheus, Loki, and Nginx. He has successfully developed Azure DevOps CI/CD pipelines and has a knack for investigating and resolving production environment issues. His skills also encompass software deployments, and he has proposed cost-saving and enhancement strategies.

He established and maintained a global monitoring solution featuring a highly available Protheus + Grafana cluster, monitoring 34 cloud and on-prem clusters with over 1400 nodes and more than 64k targets. He has also overseen the Atlassian software development environment, which includes Crowd, Jira, Bamboo, Bitbucket, Nexus, and Confluence, and has developed build and deployment scripts.

Furthermore, he integrated Dynatrace, implemented custom tagging and backend support, and developed a web-based tool for troubleshooting networked devices by aggregating information from Active Directory, Identity Services, and Mobile Iron. He engineered an auto-remediation engine in NodeJS that seamlessly integrates with Dynatrace to automatically apply custom solutions to identified issues. Lastly, He designed a proof of concept (POC) showcasing high availability hosting of the current mixed environment (Linux and Windows applications) utilizing Docker and Kubernetes.

## Work History

**Position:** Snr. DevOps Engineer

**Duration:** 2020 to Current

**Company:** Technology sector

- Responsible for the Vodafoneziggo Netherlands Country Platform (AWS infrastructure, CloudFormation, Terraform, Ansible, Qualys, Logstash, Filebeat, Kibana, Rancher, Prometheus, Grafana, Nginx).
- Build Azure devops CI/CD Pipelines.
- Investigating and resolving production environment issues.
- Software deployments.
- Cost saving and enhancement proposals.
- Built a and maintaining the company global monitoring solution with a highly available Protheus + Grafana cluster, monitoring 34 cloud and on prem clusters with 1400+ nodes and over 64k targets.

**Reason for leaving:**

- He's been with the company for 4 years and wants a new challenge.

**Position:** Snr. DevOps Engineer

**Duration:** 2018 to 2020

**Company:** Bank

- Responsible for the Atlassian software development environment. (Crowd, Jira, Bamboo, Bitbucket, Nexus, confluence, build servers)
- Build and deployments scripts.
- Investigating and resolving production environment problems.
- Software deployments (Int, Stress, Prod).
- Dynatrace integration, custom tagging and backend support.
- Built a web-based tool to assist with troubleshooting networked devices by aggregating information from Active Directory, Identity Services and Mobile Iron for easy searches and problem identification in one place.
- Built an auto remediation engine in NodeJS that integrates with Dynatrace to apply custom solutions to known problems automatically when they happen.
- Built a POC to demonstrate hosting the current mixed environment (Linux and Windows applications) with high availability using Docker and Kubernetes.

*Reason for leaving:*

- He previously worked as an Embedded developer and thought it would be a good challenge and relevant to move into a company where he would do similar work.

**Position: Snr. Software Developer**

**Duration: 2017 to 2018**

**Company: Biometrics sector**

- Software development using C++, Delphi, PHP, and JavaScript.
- Built a Rest based API in PHP for the fingerprint and facial recognition engines.
- Built a client application to run on a handheld device using C# Compact Flash to interact with the fingerprint and facial recognition backend.

*Reason for leaving:*

- He was already doing a lot of demo projects which introduced him to the world of DevOps and that it's a dedicated role one can pursue which he decided to pursue since he was already fulfilling the duties although he did not have the formal title at the time.

**Position: Software Engineer**

**Duration: 2016 to 2017**

**Company: Telecommunications sector**

- Undertake all computer-related software development.
- Provide networking support and consultation.
- Extended their website to allow a user to schedule and program their own remote relay device.(PHP, jQuery, Delphi, MySQL)
- Extended their website to allow a user to have a virtual keypad for their alarm. (PHP, jQuery, Delphi, MySQL)
- Establish a disaster recovery network using APN networks from Vodacom and MTN with radius authentication and cloud-based servers.

*Reason for leaving:*

- Offered a more challenging role.

**Position: Developer (Freelance)**

**Duration: 2015 to 2016**

**Company: Freelance**

- Design and build custom CNC machines with custom firmware based on ATMEL processors.
- Developing custom software using c++ and Delphi.
- Design and build a proof-of-concept smart sprinkler using ATMEL microprocessors that monitor the environment for use in the farming industry.
- Design and build a cloud-based internet fingerprint identification backend using C++ and Delphi.

*Reason for leaving:*

- Wanted a more stable income.

**Position: Systems/Network Administrator and Research Developer** **Duration: 2014 to 2015**

**Company: Technology and Security sectors (Contract)**

- Support and maintain cisco managed switches, SMC managed switches, Cisco wireless access points, VPN's and firewall across 35 VLANs.
- Support and maintain all hardware and software in the local data center and for Uganda Driver's License

- Department (Linux, Microsoft, MS SQL Databases, Hosted sites for SVN and Community Collaboration, all backups, disaster recovery planning, and any other configuration requirement as needed by the development team)
- Assist out of country support engineers.
- Accept responsibility for all security on the network, including certificates, MS databases, authentication and access rights and isolation.
- Built an Automated Citrix Xen Virtualization Deployment device with self-provisioning using FreeBSD.
- Scripted elastic Dimension Data Cloud server provisioning with uptime scheduling for cost cutting.
- Implemented the Canon Hacked Development Kit library for use on new camera models for driver's license LiveScan applications using C++ and C#
- Developed an Automatic number plate reader system using VC++ & Delphi xe5.

*Reason for leaving:*

- Contract expired.

**Position: Snr. Software Developer (Contract)**

**Duration: 2012 to 2013**

**Company: IT sector**

- Developed software for an Atmel microprocessor chip to facilitate a universal electronic package for CNC machines.
- Developed a prototype PCB to house all the electronic components.
- Developed a LCD screen interface for drilling holes, surfacing, and cutting functions.
- Developed a remote standalone GSM internet ISP solution with shopping cart, self-provisioning and automatic termination of clients based on configurable rules like link speed, bandwidth usage, time spent online etc. using Embedded FreeBSD, FreeRadius, MySQL and PHP.
- Developed a real-time video feed analysis package that can track multiple people simultaneously and keep track of anonymous identities as well as send email notifications when selected persons are detected, using VC++, Delphi and OpenCV.

*Reason for leaving:*

- The projects were completed, and the contract expired.

**Position: Snr. Software Developer (Contract)**

**Duration: 2009 to 2011**

**Company: Technology sector**

- Develop and maintain a Delphi and Oracle based driver's license system, in particular designing and implementing data security mechanisms and propagation.
- Developed a dll library that encompasses the ICAO ISO/IEC FCD 19794-5 standard for facial recognition.
- Developed a 2D facial recognition system.
- Developed a dll interface for the Xbox Kinect to capture 3D faces.
- Developed a rotation and scale invariant 3D facial recognition system.

*Reason for leaving:*

- Retrenchment.

**Position: Snr. Analyst Programmer (Contract)**

**Duration: 2009 to 2009**

**Company: Consulting sector**

- Determine and analyse the information needs of users.
- Design and implement systems that will satisfy those needs.
- Execution of technical investigations.
- Development and maintenance of software.
- Provision of technical support and ensuring technical stability.
- Communication with relevant stakeholders.
- Quality assurance in accordance to the standards.
- Task Management of team members.
- Management of Deliverables within specified timeframe

*Reason for leaving:*

- Contract was about to expire.

**Position: Snr. Software Developer**

**Duration: 2007 to 2009**

**Company: Technology sector**

- Manage all software development related projects.
- Assure the timely delivery of custom software products.
- Software quality assurance.
- Assist Technical Team

*Reason for leaving:*

- Relocated to Pretoria.

**Position: Technical Consultant (Contract)**

**Duration: 2006 to 2007**

**Company: Technology sector**

- Supporting 3 sites and approximately 22 000 users.
- Student GroupWise Account Administration.
- P-Counter Reports monthly.
- Assist with problems in the lab.
- Identifying problems and finding solutions (user issues, server issues and network issues)
- Assist helpdesk staff with calls logged.
- Assist users on campus (Staff and Students) with issues.
- Manage the GWAVA Anti-Spam software.
- Release/Re-evaluate legitimate e-mail that has been blocked by gwava.
- Assist with PC Imaging.
- Check New Images if they are created correctly before rollouts.
- Maintain Antivirus.
- Update definitions.
- Assist with v10 Rollout.
- End User Support.
- Support TGSL and Law school end users.
- Maintain Labs for both schools.
- Network Maintenance (Including 64K Line between campuses).

*Reason for leaving:*

- Contract expired.

**Position: Technical Consultant (Contract)**

**Duration: 2006 to 2006**

**Company: IT and Technology solutions (London, United Kingdom)**

- Supporting 65 sites and approximately 700 users.
- The implementation of any IT security within the practices
- Ensuring that the current NHS email standards are maintained.
- Ensuring that the virus solution in all the practices is updating and are current.
- A good backup strategy is in place for non-clinical documents within all the sites.
- Taking on any projects for the PCT that will help maintain the IT systems within the practices.
- The setting up of a maintenance schedule for the sites.

*Reason for leaving:*

- Contract expired

**Position: Systems Consultant (Contract)**

**Duration: 2005 to 2006**

**Company: IT and technology sector (London, United Kingdom)**

- 150 servers in an environment of 3000+ servers and approximately 12000+ users running Windows NT server, 2K server, 2K3 server.
- Documentation for support handover of servers (hardware, software, users, environment issues, etc.)
- Ensure server software minimum standards compliance (Sophos antivirus, Net-Backup client, secondary remote management ie. Vnc or terminal services).
- Install and configure Lights-out management boards for primary remote management.
- Install and configure Microsoft SMS Client.

*Technologies:*

- batch scripting
- wmi scripting
- TCP/IP
- DNS
- VNC
- RDC

- Dameware
- MS SMS
- MS Office
- Excel macro

*Reason for leaving:*

- Contract expired.

**Position: Systems Consultant (Contract)**

**Duration: 2005 to 2005**

**Company: Information Technology sector (Polokwane)**

- Server administration (Investigate reoccurring problems and deliver suitable remedy)
- Assist technicians with service calls from time to time.
- Implement network security. (Firewall, IDS, content filtering, web cache and RADIUS server)
- Implement Wi-Fi access point using RADIUS for authentication.

*Reason for leaving:*

- Contract expired.

**Position: Systems Administrator (Contract)**

**Duration: 2004 to 2004**

**Company: Refugee Council (London, United Kingdom)**

- Daily administration (user accounts, mailboxes, backups, escalated problems) for 600+ users on 7 domains and 16 servers.
- Assist technicians with service calls from time to time.
- Implement software standardisation. (Anti-virus rollout, vnc rollout using a custom secured reverse scheduled batch system to accommodate user security and budget restrictions)
- Server security overhaul.

*Reason for leaving:*

- Returned to South Africa.

**Position: Desktop support (Contract - 1 Week)**

**Duration: 2004 to 2004**

**Company: Bank (London, United Kingdom)**

- Provide desktop support using remote tools (Win XP, Win 2K, Office 2K) for 1200+ users

*Reason for leaving:*

- Contract expired, due to Visa he had to get another role.

**Position: Desktop support (Contract)**

**Duration: 2004 to 2004**

**Company: Financial sector (London, United Kingdom)**

- Provide desktop support in highly pressurised environment (Win XP, Win 2K, Office 2K) for 200 users
- Assist in on-going projects (Norton ghost rollout and image preparation using sysprep, LAN PXE boot for use with Norton Ghost, wireless network implementation)

*Reason for leaving:*

- Contract expired, due to Visa he had to get another role.

**Position: Desktop support (Contract)**

**Duration: 2003 to 2004**

**Company: Information Technology and Software Development sector (Polokwane)**

- Systems Administrator at Department of Health & Welfare for Limpopo province (Windows NT 4, Win 2K, Win XP, 1500 users, Server migration from NT to 2K3 and 300 Win 98 clients to XP)
- Router configurations
- Wan and fibre optics connectivity troubleshooting
- First, second- and third-line support

*Reason for leaving:*

- He received his VISA and went back to the UK.

**Position: Deputy Systems Administrator (Contract)**

**Duration: 2003 to 2003**

**Company: Technology sector**

- Systems Administrator (Windows 2000)
- First, second- and third-line support
- Internet configuration (setup internet sharing and security policies as well as a RADIUS server)

*Reason for leaving:*

- He had to apply for a Visa in South Africa, thus had to return to South Africa before he can return to UK.

**Position: Application Developer****Duration: 2001 to 2003****Company: Information Technology (IT) sector**

- Software design, implementation and integration using mainly Delphi, VB, Borland Visual C++, MS Access and MS SQL 7.
- Internet security
- Systems Administrator (Windows NT 4 and 2000 and to a smaller extent Redhat and Mandrake Linux)
- Penetration testing using open-source tools such as NMap and Metasploit and custom scripts and tools.
- Design built and implemented a low cost 360-degree outdoor wi-fi access point using 3 pci wi-fi cards with 120 degree directional antennae and mandriva linux.
- Mobile text messaging system for notification of market indicators and incoming mail
- Bar, restaurant and hotel management system with internet interface and point of sale
- Statistical data driven webpage for amateur golfers

*Reason for leaving:*

- Left the country to tour the United Kingdom.

**Position: IT Solutions Specialist****Duration: 2000 to 2001****Company: Construction and Building Materials (Polokwane)**

- Application Development (Delphi, Borland Visual C++, Visual Basic) Using mainly BDE, ODBC, MS SQL, MS Access, Paradox, Websnap and QuickReports.
- Supervise Web Development
- My duties included overseeing of design and implementation aspects as well as managing the web server.
- Conduct Project Surveys. As this was mainly a consulting company I also frequently had the opportunity to accompany them on various kinds of business surveys.
- Internet security.
- Penetration testing usings open-source tools and custom scripts.
- Systems Administrator (Windows NT 4 and 2000)
- DBA (Microsoft SQL Server 7.0)
- Technical Support.

*Reason for leaving:*

- The company restructured and everyone in IT was retrenched as a result.

**Position: Field Engineer****Duration: 1999 to 1999****Company: Information technology (IT) sector (Polokwane)**

- Maintain and support various makes and models of workstations.
- System administrator at the Department of Land Affairs (Polokwane), Krestahague SA and Biggen Africa.
- Acting as accounts manager from time to time.
- Supervising projects.
- Acting as technical manager from time to time.
- Sales (quotes etc.).

*Reason for leaving:*

- ITI-Systems restructured and decided to close down their branch in Polokwane.

## Education

**Grade 12.** Pietersburg High School, 1997.

**Diploma in Programming.** CTU Training Solutions, 2000.

## Salary

Before Deductions:	R93 000 ctc pm
Salary Expectations:	8%

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

