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Date of Birth: 18/08/1977

**Professional experience**

**January 2019 to present:**
**WM Promus**
**DevOps Consultant:**

Working as a consultant providing support to customers in the area of DevOps. My main area of specialization at the moment is Puppet where I have excellent understanding of the entire Puppet infrastructure including modules' coding and hiera configuration. In my current role, I have also worked with BitBucket and Bamboo CI/CD.

In addition to Puppet CM, I have used Ansible to automate basic tasks and therefore gained understanding of how it works, which is very similar to the Puppet bolt.

In my home lab, I have been privately trying out AWS and Terraform IAC. I have also started trying out hadoop and related technologies which appear to have some similarities to the compute cluster technologies that I supported in my earlier roles.

**July 2007 to December 2018:**
**Hewlett Packard / DXC / EntServ Services / Proservia GmbH.**
**Aachen, Germany**
**Systems Engineer:  Working as a consultant for the DXC's customer through Proservia GmbH company in support of Ericsson's R & D Systems.**

My responsibilities involved maintaining a large network of Unix and Linux servers in support of the customer's global RnD environment.

Main focus area was Systems' Automation and Configuration Management (CM) of Linux and Unix systems. We used Puppet Configuration Management system and I was part of a global team managing Configuration Management infrastructure across the customer's global RnD data / ICT Centers. I have good competence of the entire Puppet infrastructure including modules' coding, hiera setup and Puppet server infrastructure. In addition to the standard work for the customer, I also contributed to open source modules on GitHub.

In addition to CM, I was also deeply involved in the full lifecycle deployment and management of UNIX (Solaris) and Linux (RedHat, CentOS, Ubuntu, SuSE) systems. This included OS deployment, troubleshooting, tuning and optimization.

In order to cover all the RnD computing requirements, I was actively involved in other technology areas including desktop and server virtualization technologies; VMware, Docker, Sun containers and Terminal servers running on Citrix XenDesktop. Day to day work also included providing support to specialized RnD applications that included Jenkins Continuous Integration tools, web tools, Gerrit Servers, and Compute clusters / Grid Engine. I worked extensively with many of the modern file version control tools including git, clearcase, cvs etc.

My earlier responsibilities encompassed supporting storage systems and because of that I acquired comprehensive understanding of NetApp storage systems and other related storage technologies such as iSCSI, NFS etc.

**November 2003 to June 2005:**
**Telkom Kenya Ltd – Internet Backbone Services section**
**Systems Support Engineer:** Responsible for configuration of Juniper and Cisco Core Internet routers. System administration on UNIX/ Linux/ Solaris, Windows systems and firewall systems. Configuration and maintenance of other Data communications equipment. Configuration / maintenance of satellite modems.

Jan 2003 to October 2003: Gilat Satellites – Universal Satspace  (Kenya Ltd)
**Hub Systems Engineer:** Responsible for UNIX (Solaris) and Windows systems administration, Network management equipment configurations, Cisco router configurations, Configuration and Administration of Gilat satellite's network equipment including; RF equipment, VSAT Hub equipment, NOC operations.

**July 2001 to November 2002**: Bitlink Systems Kenya Ltd
Responsibilities: Customer support, Network support – (TCP /IP Cisco routers). Hardware and software support (Unix, Windows).


**Skills**

Very good understanding of Puppet Configuration Management systems including Puppet Infrastructure design and setup, module coding and Hiera / yaml configuration management.

Excellent working knowledge / experience of UNIX (Sun Solaris) and Linux (Redhat , CentOS, SuSE and Ubuntu systems). Advanced troubleshooting skills in UNIX and Linux technologies.

Programming languages**:** UNIX shell scripting, TCL, PERL scripting. I have recently started working with Python and Ruby. I have got formal training in C and C++.

I am privately learning and trying out hadoop and related technologies. Very similar to the computer cluster technologies which I supported in my earlier roles. In addition, I have also been trying out AWS and Terraform.

I had good working knowledge / experience in Data Storage from earlier days; Excellent NetApp ONTAP Data administration skills. Good understanding of NFS, CIFS and iSCSI technologies.

My earlier experience included administration and support of LANs, WANs, network management & analysis, systems' monitoring and hardware support.

Good working knowledge of MySQL / MariaDB and Postgresql database administration.

Good understanding of Windows Systems administration

Had some working knowledge/ experience in data communications including configuration and administration of Cisco and Juniper routers**;** Knowledge in administration of other network and telecom equipment.

A positive team player with excellent collaboration and interpersonal skills; deep personal interest in continuous learning and enhancement of people and technical skills.

**Formal Education**

**2005 – April 2007 South Westphalia University of Applied Sciences – Soest, Germany**

MSc. Electronic Systems and Engineering Management

**1996 – 2001 University of Nairobi, Kenya**

B.Sc. Electrical & Electronics Engineering
Majored in Telecommunications
Second Class Honours (Upper Division)

**Professional certifications**

Microsoft Certified System Engineer (MCSE) -2000 Track

Cisco Networking training

Advanced Juniper Networks Router training.

**Hobbies:** Reading, Chess, sports.

**Languages:** English, Some German, Swahili

**References can be provided.**