





RONNY ROETHOF



Contact

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 roethof
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Languages

Dutch
English

Education

Mavo D
Scholen Gemeenschap Lelystad
1995

LPIC 101
2013

LPIC 102
2013

ITIL Foundation
2013

RHCE (RHEL7)
2016

Operating Systems skills

Debian
FreeBSD
Red Hat
CentOS
OpenBSD
SUSE
Ubuntu
Mac OS
Microsoft Windows server

Virtualisation skills

Proxmox
VMware
Docker
KVM
Azure
CloudStack
XEN

Automation skills

Ansible
Git
Puppet
Subversion

Hardware skills

Dell
EMC
HP
Huawei
IBM
SuperMicro

Databases skills

MySQL
OpenLDAP
PostgresQL

Networks skills

A10 Loadbalancing
Cisco Firewalls
Cisco Switches
F5 Big IP
Fortigate
Huawei Switches
Juniper Switches

Monitor skills

Cacti
Elastic Search
Grafhite
Icinga
Kibana
Logstash
Nagios
Zabbix

Methods skills

ITIL
SCRUM



CAREER PROFILE

I am a driven IT specialist with extensive all-round knowledge of Linux, Security and Networking. My passion lies in Open Source, Cloud solutions, High Availability solutions and Security. I have gained relevant work experience in the roles of Linux System Administrator, Technical Specialist, Architect, Team Lead and Security Engineer. With this experience within complex work environments and my unprecedented interest in new techniques I do not shy away from a challenge.

My specialization lies in the following areas of knowledge:

- System Administrator
- System Architect
- Security Engineer
- Linux Automation Specialist
- Linux Migration Specialist

EXPERIENCE

CISO / Devops Engineer / Internal IT

AnyLinQ B.V. June 2024-Present
To ensure the development, implementation, maintenance and evaluation of the information security policy and privacy legislation within the organization, with the aim of guaranteeing the availability, integrity and confidentiality of information and complying with relevant laws and regulations. Responsible for Security & ISO 27001 certifications. Responsible for providing secure, fast and reliable access to data and applications for our employees. Responsible for internal IT, hardware, network and software.

Technologies Used: VMWare, Debian, Windows, Azure, Ansible, Huawei, Fortigate, GDPR, ISO27001, ISO27002, NIS2

Security Officer / Devops Engineer / Internal IT

AnyLinQ B.V. June 2022-June 2024
Responsible for internal IT, hardware, network and software. Responsible for Security & ISO 27001 certifications. Responsible for providing secure, fast and reliable access to data and applications for our employees. My in-depth knowledge of Ansible enabled me to successfully implement complex automation projects. I have experience with:

- Designing and developing Ansible playbooks and roles for various applications.
- Integrating Ansible with CI/CD pipelines for automated deployments.
- Managing large numbers of servers using Ansible.
- Using Ansible Tower.

Technologies Used: VMWare, Debian, Windows, Azure, Ansible, Huawei, Fortigate

Security Consultant / Pentester

AnyLinQ B.V. November 2021-June 2022
Within AnyLinQ I was engaged in various security tests of websites, infrastructures and applications of clients. This resulted in a more secure environment for various clients.

Technologies Used: Kali, Debian, Ubuntu, VMWare, Ansible, Cisco, Juniper, Huawei, Fortigate

Area Product Owner / Teamlead / Architect / Senior System Engineer

RIVM / KNMI (Detached) October 2020-November 2021
Product Area Owner, Team Lead and Senior Engineer of the Specific Hosting team of SSC Campus. The dedicated hosting team is responsible for the hosting services RIVM.nl and KNMI.nl, among other things. One of the major projects of Specific Hosting is the National Immunisation Programme with the associated Covid 19 vaccination registration. For the Covid 19 vaccination registration program (QR Code) responsibilities included:

- Design detailed Ansible playbooks to define system desired states. These playbooks contained a sequential series of tasks, ensuring consistent and repeatable configurations.
- Utilize Ansible roles to enhance code reusability and maintainability. Roles bundled related tasks, variables, and files, enabling modular and structured automation.
- Integrated Ansible seamlessly into CI/CD pipelines to achieve automated deployments and continuous delivery. This integration, using tools like Jenkins or GitLab CI, enabled:
 - Automated test execution after each code commit.
 - Automatic deployment of infrastructure changes to test and production environments.
 - Ensured consistency across different environments.

Technologies Used: 1000+ virtual servers, VMWare, RedHat, Ansible, Gitlab, Satellite, IPA, MySQL, PostgresQL

Developer / Senior System Engineer

Non disclosed (Detached) Juli 2019-September 2020
Due to the high secured environment and duty of confidentiality, it is not possible to elaborate on the assignment or its activities. It is closely related to Public Key Infrastructure, data encryption, and highly secure computing environments. My in-depth knowledge of Ansible enabled me to successfully implement complex automation projects. I have experience with:

- Designing and developing Ansible playbooks and roles for various applications.
- Integrating Ansible with CI/CD pipelines for automated deployments.
- Managing large numbers of servers using Ansible.
- Using Ansible Tower.

Technologies Used: 100+ virtual servers, VMWare, RedHat, PHP, Python, Ansible Tower, Gitlab, Satellite

Senior System Engineer

Neostrada B.V. May 2017-June 2019
In this position I was part of a team of 3 people who were responsible for the management of about 500 physical hosting servers, 3500 virtual machines and a 5 petabyte offsite backup platform. The hosting servers require a 24/7 99.995% uptime and run in a high availability cluster environment with 24/7 monitoring and monitoring.

Technologies Used: 500+ physical servers, 3500+ virtual servers, CloudLinux, CentOS, Debian, Ubuntu, FreeBSD, Apache, Nginx, Exim, cPanel, DirectAdmin, NFS, ZFS, Ceph, Ansible, KVM, Proxmox, Ceph, Docker, Huawei Switches, HP Switches, Dell PowerEdge, HP Proliant, SuperMicro

Senior System Engineer

Liberty Global B.V. (Detached) January 2017-March 2017
At Liberty Global, I was part of a team of 9 people, which was responsible for designing and building the Operational Data Hub, part of the One Back Office platform. The basis of the ODH platform can be deployed to perform real-time performance analytics on CPEs, BSS and OSS based on real-time data.

Technologies Used: 100+ physical servers, RedHat, Ansible, Zookeeper, Kafka, Flume, Hdfs, Spark, Logstash, Elasticsearch

Security Consultant

Ultimum B.V. November 2016-Januari 2017
Within Ultimum I was engaged in various security tests of websites, infrastructures and applications of clients, hosting workshops for colleagues and clients. This resulted in a more secure environment for various clients, a higher level of knowledge regarding internet security among employees and more stable and secure websites.

Technologies Used: 100+ virtual servers, Kali, Debian, Ubuntu, VMWare, Ansible

DevOps Engineer / Automation Specialist

Meyn B.V. (Detached) August 2016-November 2016
At this company I was hired to develop a deployment system for various virtualization techniques and in-house software products. The customer's requirement was a central platform based on Kickstart and Ansible, from which the entire virtualization platform could be deployed and managed at remote locations using simple methods.

Technologies Used: 10 physical servers, CentOS, Ansible, Citrix XenServer, CentOS 7, Git, Ansible, Icinga, Ruby, Perl, Kickstart, Dell PowerEdge

Senior System Engineer

Ultimum Managed Services (Internal projects) June 2016-August 2016
Within Ultimum, I handled various Linux/Unix and Open Source tasks, including management and migrations of complex customer platforms (Slackware 13, Keepalive, Zebra, Openvpn and Amazon, among others)

Technologies Used: 100+ virtual servers, RedHat, CentOS, Debian, Ubuntu, SlackWare, Amazon AWS, VMWare, Ansible, Puppet, Nagios, Docker, PRTG, Zabbix, PHP

Senior System Engineer / Monitoring Architect

SLTN (Detached) March 2016-June 2016
SLTN had a need for a 24/7 monitoring platform for a large telecom supplier, due to the complexity of the platform and network I was asked to develop it. As the end result a central monitoring system where multiple locations can be managed, rollout of new controls through an automated system. All within the requirements of the end customer, taking into account their security requirements through VPN tunnels, Encryption, SSL, etc. was delivered.

Technologies Used: 6 monitoring nodes for 1000+ systems, CentOS, Nagios, MySQL, Ansible, HP Blades, HP 3PAR Storage, HP Switches and Routers.

Senior System Engineer / Database Specialist / Recovery Specialist

Merus N.V. (Detached) January 2016-March 2016
For Merus, I was asked to replace an outdated database platform with various problems, with a new PostgreSQL cluster virtualized on HyperV.

Technologies Used: 5 physical servers, Windows Server, Debian, HyperV, PostgreSQL

Senior System Engineer / Network Engineer

FD Mediagroep B.V. (Detached) February 2015-November 2015
Within FD Media Group I dealt with all Linux / Solaris systems, network equipment, Storage systems and related other hard/software

Technologies Used: 100+ virtual servers, CentOS, Debian, Ubuntu, Solaris, VMWare, Ansible, Nagios, Cisco, HP Procure, HP LeftHand

Senior System Engineer

Tele2 Nederland B.V. (Detached) February 2014-February 2015
Within Tele2 I dealt with all Linux, HP-UX, Solaris, SUNOS systems and related other hardware/software, including F5/A10 load balancers, Cisco Contents switches. Projects within this assignment included:

- Setting up an emergency high availability load balancing system for 9292.nl based on HA Proxy, KeepAlived and Nginx.
- Setting up a high availability LDAP system for Tele2 4G consumer data.
- Designing a central system logging setup based on Logstash, Elasticsearch, Kibana and Graphite.

Technologies Used: 100 physical servers, RedHat, Centos, Debian, Solaris, VMWare, OpenLDAP, Active Directory, Dell Netvault, Dell PowerEdge, HP Proliant, F5 BigIP, A10 Loadbalancers

NOC Engineer

eBay Classifieds Group (Detached) January 2013-February 2014
eBay Classifieds Group hired me as part of a large group of NOC Engineers to monitor and develop monitoring tools of various platforms, including ebay.com, marktplaats.nl and 2ehands.be, among others.

Technologies Used: 2000+ virtual servers, Debian, Ubuntu, SVN, Mercurial, Git, Puppet, Nagios, Graphite, Cacti

Senior System Engineer

YourHosting B.V. January 2012-December 2012
Within Yourhosting, I dealt with all Linux hosting servers. I was also involved in various projects, where I provided the technical input or designs. At this employer I was responsible for the following projects:

- Design, implementation and maintenance webmail cluster
- Design, implementation and maintenance of KVM virtualisation clusters
- Design, implementation and maintenance of Puppet in combination with Passenger configuration systems

Technologies Used: 100+ physical servers, Dell PowerEdge, CentOS, Ubuntu, Apache, MySQL, Postfix, SendMail, Courier, Git, Puppet, Nagios, Graphite, Cacti

Senior System Engineer

News Service Europe B.V. April 2011-December 2011
Within News-Service I dealt with all Debian Linux systems running there and the UseNet platform based on it. News-Service Europe was one of the top 3 newsgroup providers in the world with 24/7 support and monitoring, driven by a 7-man team. News-Service had, as a healthy company, to cease its operations by external factors. As a result followed the termination of all employments.

Technologies Used: 500 physical servers, Dell PowerEdge, Dell PowerVault, SuperMicro Storage, Debian, MySQL, PostgreSQL, KVM, Apache, Postfix, Spamassassin, Nagios, Diablo NNTP

Senior System Engineer / Network Engineer

ACN Europe B.V. Sept 2010-April 2011
Within ACN Europe I was involved with all Linux OS systems running there and I developed various toolings based on Open Source Software. In addition, I was the backup administrator for the Windows OS platform and network management. At this employer I was responsible for the following:

- Design, implementation and maintenance VMWare clusters
- Design, implementation and maintenance of Puppet configuration systems
- Design, implementation and maintenance of Squid web filters
- Design, implementation, conversion, migration from Exchange to Zimbra
- Implementation and maintenance of Zabbix monitoring solution
- Backup network Engineer (Juniper SRX240/EX4200 / Cisco 9513/3650)
- Backup Windows Engineer (Windows 2003 / 2008)

Technologies Used: 100+ physical servers, HP Proliant, HP BladeCenters, VMWare, CentOS, Windows 2003/ 2008, Cisco IOS, JunOS, MySQL, Apache, Postfix, Spamassassin, Zabbix, Zimbra, Samba, IIS 7, MS Exchange 2003/2010, Active Directory, Cisco switches, Cisco routers, Juniper switches, Juniper firewalls, EMCSCAN storage

Senior System Engineer / Internal IT

Leaseweb B.V. December 2008-June 2010
I was the only Linux Engineer for one of the largest hosting parties in Europe to deal with all systems that used Linux and/or Unix. I was also involved in various projects, where I provided the technical input and was responsible for the design and implementation of these projects. The department provided support to approximately 130 workstations, as well as the management and development of more than 250 physical and virtual servers and appliances. In addition, the department was responsible for all customer facing servers. At this employer I was responsible for the following:

- Design, implementation, and maintenance of internal network (Cisco ASA/2950/3650)
- Design, implementation and maintenance VMWare ESX 4 environment
- Design, implementation and maintenance of internal and external DNS servers
- Design, implementation and maintenance Voice Over IP telephony, faxing
- Design, implementation and maintenance of Mailhosting clusters
- Design, Implementation and Maintenance Web Hosting Clusters
- Design, implementation and maintenance Opsview/ Nagios monitoring cluster
- Providing support to the Programming department during changes

Technologies Used: 5000+ physical servers, HP Proliant, HP BladeCenters, Dell PowerEdge, Supermicro, VMWare, RedHat, CentOS, Debian, Ubuntu, FreeBSD, Windows 2003/ 2008, Cisco IOS, JunOS, MySQL, Apache, Postfix, Spamassassin, Zabbix, Zimbra, Samba, IIS 7, MS Exchange 2003/2010, Active Directory, Cisco switches, Cisco routers, Juniper switches, Juniper firewalls, EMCSCAN storage, Asterisk

PROJECTS

Ansible role template system

A template for new Ansible roles complete with github automation, functionality and security checks

Dutch National Immunisation Programme - Covid 19 vaccination registration

Develop and deploy database platforms for and automated rollout of the Dutch Covid 19 vaccination registration (QR Code), this included:

- Design detailed Ansible playbooks to define system desired states. These playbooks contained a sequential series of tasks, ensuring consistent and repeatable configurations.
- Utilize Ansible roles to enhance code reusability and maintainability. Roles bundled related tasks, variables, and files, enabling modular and structured automation.
- Integrated Ansible seamlessly into CI/CD pipelines to achieve automated deployments and continuous delivery. This integration, using tools like Jenkins or GitLab CI, enabled:
 - Automated test execution after each code commit.
 - Automatic deployment of infrastructure changes to test and production environments.
 - Ensured consistency across different environments.

Autobackup

Because R1soft backup has proven to be unreliable. Neostrada asked me to design an alternative backup system: Autobackup, a self-designed backup solution based on FreeBSD's ZFS became the solution. With Autobackup, customers can easily restore all files, databases and even mail accounts from cPanel up to 31 days back!

WSO2 - Single Sign On

For the 4G launch of Tele2 Netherlands B.V. we created a WSO2 single sign on HA application street. This WSO2 application is used to authenticate and authorize user who are login in on myTele2 website and/or mobile app. Products used: Tomcat, Apache2, OpenLDAP in Master-Master replication, A10 Loadbalancers and Oracle Database.

Cluster based Webmail

There was a need to replace several single host based squirrelmail webserver with one (1) dedicated webmail cluster. The requirements were :

- capable of multiple backend IMAP servers
- capable of multiple lables i.e. yourhosting.nl, starhosting.nl, whitealec, etc.
- minimize outgoing spam
- High availability
- Lowest costs possible

We chose for a KeepAlived, HAProxy, Nginx setup based upon a cluster of KVM nodes. The backend servers all used memcached and imapproxy. Outgoing filtering was done by Postfix with Amavisd, Spamassassin, ClamAV, etc. with a failover configuration. We designed the platform in a matter that we could take a physical node, shut it down for maintenance en have no customer impact whatsoever.

VOLUNTEERING

Search team member

Stichting Veteranen Search Team 2019-Present
The Veteran Search Team supports the police in the event of a missing person. Here we combine the strength and knowledge of veterans and other uniformed personnel. Distinctiveness lies in maintaining discipline, respect for the cause and the urge to participate among the volunteers.

Marketing, IT, Volunteer

HVL D Kids Fishing Derby 2019-Present
A yearly reoccurring fishing event for local kids. We provide a free of charge fishing experience for kids.

