

Martin Willemsma

Purmerend, North Holland, Netherlands

 martin@willemsma.it

 [linkedin.com/in/mwillemsma](https://www.linkedin.com/in/mwillemsma)

Summary

Specialist in designing and implementing IT infrastructure automation, continuous integration and delivery.

I dream automation. I am self-motivated creative determined problem solver.

- 10+ years experience designing and automating business critical, complex, high available infrastructures
- Automate and config as code "everything"
- Ahead of the usual always keeping skills up to date with recent

AWS certified solutions architect (associate)

Certified Kubernetes engineer CKS,CKA,CKAD - Linux - Ansible - CI/CD pipelines - Docker

Experience

Freelance Cloud Automation engineer

Willemsma IT Innovation

Jan 2022 - Present (1 year 1 month)

Specialist in designing and implementing IT infrastructure automation, continuous integration and delivery.

I dream automation. I am self-motivated creative determined problem solver.

10 years experience designing and automating business critical, complex, high available infrastructures

- Automate and config as code everything
- Ahead of the usual always keeping skills up to date with recent
- Learn something new every day.

Passion for inventing, exploring and building event driven automation

I value quality, creativity, freedom, sharing

I love being active, motor cycle adventure, learning, cooking, reading, nature, tinkering

Kubernetes engineer (via Fullstaq)

CM.com

Jun 2022 - Aug 2022 (3 months)

Secret management with Hashicorp Vault on Kubernetes

- Build and demo Proof of concept for different use-cases
- Manage Vault deployment with ArgoCD

DevOps Engineer (via DIQQ)

Qardio, Inc.

Mar 2022 - May 2022 (3 months)

Project: deploy a highly available, elastic, scalable WordPress environment on AWS



Kubernetes engineer (via Fullstaq)

University of Twente

Mar 2022 - Mar 2022 (1 month)

Optimization of the Kubernetes platform

- implemented Rancher HA setup using kube-vip
- implemented gatekeeper and baseline security policies to improve cluster and workload security
- implemented harbor private registry and enable CVE scanning of docker images
- knowledge share new components and features



Cloud Engineer

KNMI - Royal Netherlands Meteorological Institute

Dec 2020 - Jan 2022 (1 year 2 months)

As AWS cloud engineer (remote) working in cloud platform team

projects and responsibilities:

- Migrating multiple apps to AWS
- Deployment pipelines, automation and ops management of apps on AWS
- Troubleshooting AWS implementations
- Automating Route53 hostedzones multi-account management
- Improvements and suggestions multi-account access control
- Daytime support to internal teams and stakeholders
- 24/7 on-call shifts



DevOps Engineer

The.NextGen

Jan 2019 - Jan 2022 (3 years 1 month)

The NextGen is een landelijk opererend team dat bestaat uit de nieuwe generatie IT specialisten.

Het is onze missie om complexe technische projecten op het gebied van software development/ Infrastructuur en Data tot een succes te maken. Met onze jarenlange ervaring en no limit millennials mentaliteit spelen we een leidende rol in deze markten.

Voor een NextGenner is niets te gek of te complex. Onze specialisten werken net zo makkelijk aan nieuwe projecten als aan het doorontwikkelen van de bestaande omgeving. Zowel aan de Frontend/ Backend/ Data en Infrastructuur kant, op project basis of als onderdeel van een Scrumteam.

The NextGen werkt met de nieuwste technieken, zodat we met recht kunnen zeggen dat de 'projecten van de toekomst' bij The NextGen vandaan komen.



Security Engineer

City of Amsterdam

Jan 2020 - Nov 2020 (11 months)

Continuous improvement & DevSecOps

Projects and responsibilities:

Secret management:

- Design and implement Hashicorp Vault cluster "as-code"
- Migration of secrets from legacy password manager to Hashi Vault
- Design and implement Vault operations pipeline using Gitlab CI GitOps
- POC design Vault dynamic secrets database engines
- Docker security and life-cycle management

Tools: Terraform, Ansible, Hashicorp Vault, Docker, Gitlab CI, Stackstorm, Slack Slash commands, webhooks, Jenkins, Git, Minikube, Kubernetes, Helm

*** DevOps Engineer

City of Amsterdam

Jan 2019 - Jan 2020 (1 year 1 month)

Datapunt provides a central interface for (open) Data about and for the city of Amsterdam. Data is published and available to be used by civil servants of municipality, citizens of Amsterdam and data scientists to make a smart city.

This data is used in a variety of use cases and projects which use machine learning, data-analysis and IoT

Subjects: Geo/Toposervices, environment, traffic- , infrastructure- , waste, public order, economic management

Project

Successfully migrated 60 REST APIs as microservices to new secure platform based on Openstack and Docker.

- Working Agile/Scrum/Devops in infrastructure team delivering devops and infrastructure building blocks to customer teams and developers in sprints

- As infrastructure specialist responsible for managing and building infrastructure and applying infrastructure and DevOps knowledge to a multitude of customer projects

- Automating delivery of secure environments for data scientists based on Terraform, Ansible, Openstack, Docker

- Introduce and deliver CI pipelines for automated testing and verification of Ansible infrastructure code using molecule and GitlabCI

- Continuous improvement on automating manual procedures and standardization of workflows

- Responsible for managing, preparing and verification of infrastructure changes with internal organization and 3rd party vendors



Sr. Continuity Engineer

Sentia - Part of Accenture

Jan 2016 - Jan 2019 (3 years 1 month)

Projects and responsibilities:

- Key role in onboarding and migration of CentralPoint to Sentia Cloud.
- As Lead engineer responsible for CentralPoint projects, coordinating operations, work preparation for the customer team.
- Automate and config as code "everything"
- Automated manual deployments and achieved Continuous Deployment using Ansible and Rundeck for 15 PHP business critical applications
- Setting roadmap of future improvements
- Continuous improvements/architecture redesign CentralPoint landscape
- Responsible for organizing and leading team meetings
- Training and coordination of both engineers and developers
- Member of internal Ansible steering group to represent customer team, share ideas, goals and accomplishments with my team.



Senior Linux System engineer

InTWO

Dec 2014 - Dec 2015 (1 year 1 month)

Projects and responsibilities

- Configuration management: Creating roles and profiles for server functions
- Design, Implement User and Group management on platform nodes
- Design, Implement and maintain security and hardening configuration (NIST) on platform nodes
- Implementation and management of office network NL HQ
- Training and coordination of Junior and Intern Infra engineers



Platform/Network Engineer

InTWO

Sep 2011 - Dec 2014 (3 years 4 months)

I love working with Linux operating systems in a complex and evolving environment. I like to learn about new technologies and adopt new skills.

During my work as an Linux/Infra engineer I get the chance to work with all aspects of the platform.

Responsibilities:

- Allround Linux Engineer
- Puppet specialist
- Maintainer of distros on our platform (Ubuntu,CentOS)

Projects:

- Improve automatic deployment of Linux VMs on Xenserver
- Design and Implement Puppet infrastructure and manage baseline configuration
- Design and implement Linux Auto update strategy

Besides working on projects I also:

- Setup new environments(e.g. site-to-site VPNs, physical HP/Blade and virtual hosts)
- Troubleshoot outstanding issues on OS and network level
- Improve current situations
- Design and contribute on in-house tooling (Ruby, Rails)

Operations Engineer

InTWO

Jul 2010 - Sep 2011 (1 year 3 months)

Responsible for the daily operations on the SaaSplaza platform

- Changes and Incidents focussed on various Linux flavours and products
- NOC and monitoring responsibility
- responsible for backup

Bachelor Internship

InTWO

Feb 2010 - Jun 2010 (5 months)

Design and Development of a cross platform package management system for Linux nodes in Ruby and PHP/MySQL



bachelor of ICT

Amsterdam University of Applied Sciences

2006 - 2009 (3 years)

Bachelor of ICT

Major: Advanced System and Network Engineering

Minor: Forensic Intelligence and Security



student

Friesland College

2002 - 2004 (2 years)

Network administrator

Education



Amsterdam University of Applied Sciences

Bachelor, Advanced System and Network Engineering, Forensics and Security
2006 - 2010



Friesland College Leeuwarden

MBO ICT Niveau 4 Netwerdbeheer
2004 - 2006



Friesland College Leeuwarden

MBO ICT Niveau 3
2002 - 2004
Medewerker beheer ICT



Friesland College Leeuwarden

MBO Electrical Engineering level 4, Electrical and Electronics Engineering
2000 - 2002
Study Electrical Engineering



CSG Anna Maria van Schurman Franeker

VBO-C Elektrotechniek
1996 - 2000

Licenses & Certifications



CCNA Routing and Switching - Cisco

Issued Sep 2011 - Expires Sep 2014



CCENT - Cisco

Issued Jul 2011 - Expires Jul 2014



Puppet Certified Professional - Puppet Labs


PCP0000512




AWS Certified Solutions Architect Associate (SAA-C01) - Amazon Web Services (AWS)

Issued Sep 2018 - Expires Sep 2021
X319S95C2JVE19SZ

 **Developing and Delivering Software with Docker** - LinkedIn

 **CKA: Certified Kubernetes Administrator** - The Linux Foundation
Issued Sep 2020 - Expires Sep 2023
LF-cohcv6eq91

 **CKAD: Certified Kubernetes Application Developer** - The Linux Foundation
Issued Sep 2020 - Expires Sep 2023
LF-rqebzgdseq

 **Certified Rancher Operator: Level 1** - Rancher by SUSE
59412481af7a4d6aa775cda490e3c0d1

 **CKS: Certified Kubernetes Security Specialist** - The Linux Foundation
Issued Jan 2022 - Expires Jan 2024
LF-namygjnx9

 **Gitops Certified for Argo - Gitops Fundamentals - Level 1** - Codefresh
63c59dba340d439b120fc389

 **Gitops Certified for Argo - Gitops at Scale - Level 2** - Codefresh
63cc743ac768e0b95005bdc2

Skills

Argo • HashiCorp Vault • Amazon Web Services (AWS) • Kubernetes • Linux • Virtualization •
Firewalls • DNS • TCP/IP • Network Administration