Timothy Vandenbrande

Curiculum Vitae

What can go wrong, will go wrong!
This is why we need to test every aspect, every time.

# Personal data

Name: Timothy Vandenbrande

Date of birth: 1984-06-06

Citizenship: Belgian

Gender: male

Function: DevOps Architect

City: Ghent

# Contact information

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# References

## Patrick Dekens

Business Manager

Group IR

## Erwin François

.NET Architect

Dominion Experts

## Anthony Cauwelier

Operations Manager

B-Europe

# Social

## GitHub

URL: https://github.com/t\_v

# Personal Projects

## Ansible

URL: https://www.ansible.com/

Description: Ansible is the simplest way to automate apps and IT infrastructure. Application Deployment + Configuration Management + Continuous Delivery.

Role: contributor

Input: I created a module to automate RedHat Virtualization VM management. This way we could manage our virtualised infrastructure in an IaC fashion. I also created a module to control Windows Firewall since that was something we required for our Windows automation.

## Cthulhu Dawn Chronicles

URL: https://t\_v.github.io/chronicles/

Description: The adventures of Cthulhu Dawn while trying to defeat a new evil.

Role: creator

Input: I helped a friend of mine to visualize the book she wrote as a fanfiction.

# Employment

Years of experience in the DevOps culture.

Dominion Experts bvba

URL: https://www.dominionexperts.be

Position: Competence Center Lead, DevOps Architect

Summary: My main function is to lead a DevOps competence center. Not just to show off all the hip and trendy tooling, but also to shift the mindset to a more continuous workflow and to push people to take co-ownership and responsibility in a project.
But of course you cannot say DevOps without showing off some tooling and showing how you can make your life easier and fail/fool-proof by automating even the most insignificant task. By looking at each task from a service perspective, we aim to get more continuity and stability to the work we deliver.

Term: 2013-09  now

Highlights:

- Automate the lifecycle of different platforms and application

- Predict growth and requirements

- Document new flows

- Build pipelines

- Inspire colleagues in the DevOps way of life

- Check if the internal competence are still in-line with the market

- Guide colleagues on their external projects

- Recruite core skills

- Performance based coaching

- Behavior based coaching

- Present new technologies and how to implement it within our vision

Keywords:

- DevOps

- Architecture

- Guidance

- Coaching

- Automation

- Envisioning

# Cegeka nv

URL: https://www.cegeka.com/

Position: DevOps Architect

Summary: My job here was 2-facetted. Partly it was architectural designs and getting the technical part rolling and automated while coaching colleagues and customers to undergoing a digital transformation in a DevOps way.
The Technical part was split up in 2 parts. A part of it, I sat in a true development environment where the focus was to push out new content as fast and stable as possible. Priority here was pipeline optimization, ease to configure and adapt new services and pipelines on a kubernetes environment and bringing some power to the developers. We want to enable them to do everything required, with easy to use tooling and an abstraction layer they feel comfortable using.
The other part was in an operations team that mainly functioned as-a-service and maintained and managed the infrastructure for all kinds of development teams within Cegeka in an Infrastructure-as-Code fashion. This included designing and executing with the rest of the team, the requirements of the external and internal customers on our infrastructure.

Term: 2017-09  now

Highlights:

- Setup and design of container platforms.

- Teaching and envisioning the DevOps way.

- Introducing new technologies.

- Optimize IaC

- Create, design and optimize build pipelines.

Keywords:

- DevOps

- IaC

- OpenStack

- Configuration Management

- Puppet

- Ansible

- Containers

- OpenShift

- Kubernetes

- CI

- Jenkins

- Concourse CI

- Pipelines

- Groovy

- shell

- Python

# Mediahuis nv

URL: http://www.mediahuis.be/

Position: Senior WebOps Engineer

Summary: The main goal was to normalize the deployments and server configurations and to bring in stability to high-volume webservers in a configuration as code manner.

Term: 2017-04  2017-09

Highlights:

- Normalize linux and wintel infrastructure through configuration management with Ansible

- Start a CMDB

- Maintaining high volume websites

Keywords:

- Automation

- Configuration Management

- Ansible

- Powershell

- RHEL

- Windows Server

- IIS

# Ypto nv

URL: http://www.ypto.be/

Position: Senior DevOps Engineer, Project Manager

Summary: We had to migrate from our old infrastructure to our new infrastructure. The baseline here was to get it fully automated and stable, as we were responsible for the management of the whole stack. From maintaining firmware upgrades for the hardware to deploying the artifacts coming from our development teams. We had to constantly test our durability and needed to maintain a 96% uptime on our production environment. This is why we automated the full chain which we constantly stress-tested. This way we could have a decent view of where our current bottlenecks are and how we could even further improve this.

Term: 2013-09  2017-03

Highlights:

- What is the next step to take to evolve our infrastructure?

- What is the TCO of implemented vs to-be implemented software?

- Hardware/software choices.

- Defining deadlines

- Pinpoint SPOF in our infrastructure and plan how to make those HA

- Discuss with the team and key persons in development on how to automate the current flow even further and define which points are still need to get optimised.

- Fully automate new virtual Linux and Windows deployments through a Linux control host with Ansible.

- Automation and execution of daily operational tasks.

- Automate java builds and deployments through a pipeline

Keywords:

- automation

- full-stack management

- IBM BladeCenter E

- IBM HS22

- Dell PowerEdge M1000e

- Dell PowerEdge M620

- Dell EqualLogic

- Windows Server

- RHEL / CentOS 6-7

- oVirt / RHEV-M (Red Hat Enterprise Virtualisation Manager)

- RH Satellite

- IBM WebSphere

- freeIPA / RH IdM (Red Hat Identity Manager)

- Python

- Powershell

- Ansible

- Salt

- Rundeck

- Icinga

- Jenkins

- Maven

# IT-Care

URL: http://www.itcare.be/

Position: Cloud Integration Engineer

Summary: Our main focus was to maintain customer environments, mostly focused around transportation and accounting.
We did a lot of cloud migrations to up the accessibility and guarantee a faster and more dynamic workplace setting. This went from exchange migrations to Office365, to full cloud environments, where every single thing got moved to the cloud.

Term: 2012-01-01  2013-06-30

Highlights:

- Start up a fully redundant virtualized environment with fail-over and migrate the old one to the new one with connection to Office365.

- Cloud migration with only a local domain controller for authentication towards the local desktops. Full Office365 integration and inter site communication.

Keywords:

- HP P4000

- HP ML380 Gen8

- HP Procurve

- HP Thin Client

- MS Windows Server

- Hyper-V

- MS System Center

- MS SQL Server

- Office365

# POLARIS Creative Solutions

URL: http://www.polariscs.com

Position: owner

Term: 2010-10  2011-12

Highlights:

- Maintenance and expansion of existing WinTel networks

- Connecting Mac's to a mixed network

- Installing a CUPS server

- Installing and managing a linux fileserver

- Installing and managing the lamp servers

- Defining and building web applications according to the client's wishes

- Developing and updating our in-house flatfile CMS

- Building a decent e-commerce platform for many of our clients

- Giving lectures about the professional use of social media

- Giving lectures about SEO

Keywords:

- Accounting

- Budget management

- Project planning

- Tutoring

- Linux

- WinTel

- PHP

- CUPS

- LAMP

- SEO

# Optima Financial Planners

Position: System Engineer, Change Manager

Term: 2009-01  2010-09

Highlights:

- Starting up an off-site location in Madrid, Spain where they should all be able to connect to the headquarter. This was partly done on-site and partly by communication with a local partner.

- A full migration towards a fully uniform environment with new hardware and Windows 2008 R2 as OS. These were fully virtualized on a Hyper-V cluster and afterwards physically moved towards the Belgacom datacenter in Machelen. All site communication was done over the Belgacom Explore solution.

- Maintaining the infrastructure

- Backup management

- Patch management

- User management

- Security management

Keywords:

- IBM HS21

- MS Windows Server

- Citrix XenApp

- Active Directory

- HP Data Protector

- MS SQL Server

- Windows

- Internet Information Services

- Cisco Catalyst

# Wij Helpen Sociaal Secretariaat

URL: http://www.wijhelpen.be/

Position: Change Manager

Summary: Managing and executing the migration from the ancient NT4.0/2000 environment to a full windows 2008 environment
with new clients (Windows Vista). This was executed with the help of an external partner which was going to give support once the project was finished.

Term: 2008-06  2009-12

Keywords:

- MS Windows Server

- MS SQL Server

- MS Exchange

- Active Directory

- Internet Information Services

- Symantec Backup Exec

- Windows

# Ablynx nv

URL: http://www.ablynx.com/

Position: System Engineer

Summary: I needed to give support to the clients and automate the enrollment of new/faulty clients.

Term: 2007-10  2008-05

Keywords:

- MS Windows Server

- Altiris Deployment Server

- MS Exchange

- Active Directory

- Symantec Backup Exec

- Windows

# Siemens Fire, Security, Intrusion Prevention and Access Control

URL: https://www.siemens.be/buildingtechnologies

Position: System Engineer, Support Engineer

Summary: I gave support towards external clients who were installing the Siemens products
and did the small IT requirements in-house (taking backup, printer issues, internal it-helpdesk)

Term: 2007-03  2007-10

Keywords:

- MS Windows Server

- Windows

- MS Office

- Access Control

- SiPass Entro Lite / SiPass Entro

- SiPass Networked / SiPass Integrated

- Intrusion

- Sintony 60

- Sintony 220 / 400

- CCTV

- SISTORE AX 4 Lite / AX 4 / AX 9 / AX16

- SISTORE CX 4 / CX 9 / CX 16

- Solaris Dome

- Fire

- FC 1002 / 1004 / 1008 / 1012

- FC 330 A

# Languages

# Dutch: Native English: Fluent French: Moderate

# Skills

# People skill

intermediate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Coaching | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Envisioning | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Teaching | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Architecture

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Documenting infrastructure | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Budget management | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Hardware lifecycle | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Design | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# DevOps

master

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| --- | --- | --- | --- | --- | --- | --- |
| Automated deployment | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Automated testing | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Build automation | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Config Management | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Scripting | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Versioning | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Operating Systems

master

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Linux | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Windows Server | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Windows | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Virtualisation

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Hyper-V | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Red Hat Virtualisation / oVirt | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| VMWare | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| XenServer | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Configuration Management

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Ansible | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Puppet | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Salt | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Scripting

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Bash | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Groovy | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Javascript | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Jinja2 | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Python | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Powershell | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| YAML | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Remote Desktop

intermediate

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| --- | --- | --- | --- | --- | --- | --- |
| Citrix XenApp | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Windows Remote Desktop | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Backup

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BackupPC | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| BareOS | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| CA ARCserve 16 | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Microsoft DPM | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Symantec Backup Exec | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Zenith MirrorCloud | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Mail

intermediate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Microsoft Exchange | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Office365 | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Zimbra | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Communication

intermediate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Skype for Business | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Database

intermediate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| postgresql | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| MS SQL Server | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| MySQL | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Webservers

advanced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Apache | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| Internet Information Services | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
| NGINX | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |

# Interests

## Gaming

Guild Wars

Elder Scrolls

Warframe

## Movies

Fantasy

Science-fiction

Thriller

## Art & Culture

Post-Fundamentalism

Romanticism

Gothic

Baroque