

fabian dammekens

DevOPs (Infrastructure Architect)

contact

Available on demand
Belgium

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On demand

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languages

dutch mother tongue
french & english fluently

programming

♥ Ruby
sh(1), Python, PHP
puppet, ansible
SQL & LDAP
CSS & HTML

OS

♥ RedHat / CentOS
Debian
Solaris, AIX

education

2004–2008 **Bachelor** of applied informatics KHLeuven dpt. G&T
Specialisation networking & security and system administration.

experience

2018–Now **CEGEKA** Leuven
Infrastructure DevOPS Architect

Ensure Cegeka infrastructure is delivered by industry standards.

Cegeka Projects:

- Hosted kubernetes
 - * Deploy a Production Ready Kubernetes Cluster with kubespray in the Cegeka private cloud or in the public cloud. Offered as an alternative to Red Hat OpenShift.
- GitLab code repository on premise
 - * GitLab allows you to host an on-premise Git repository that can be accessed from either your local LAN or (if you have an available public IP address) from outside your company.
- Managed Container Platform (MCP)
 - * The Manager Container Platform is offered as a PaaS service. It's an OpenShift kubernetes based solution, set-up by enterprise standards to ensure maximum availability.
 - * One can run it's container workload on a shared pool of compute resources or choose to run on a dedicated cluster.
- Sysdig monitoring
 - * Sysdig Monitor provides deep data insights and problem isolation across your entire cloud-native environment to help you monitor and troubleshoot health and performance.
- Virtual NetAPP infrastructure
 - * In order to offer dynamically provisioned storage to the MCP, we chose to implement NetAPP Trident. Which is an API translation layer between OpenShift/Kubernetes and NetApp Ontap Select.
 - * Challenges:
 - Deploy and configure a virtual NetApp Ontap Select cluster
 - Integrate the trident provisioner
 - Validate the setup
- Email security gateway renewal

- * Shared email security gateway, ensure this existing service remains viable
- * Shared email relay, provide a plain email relay service without advanced mail protection
- * DMARC email security, implement DMARC reporting and analytics on Cegeka and customer domains

2012–2018 **CEGEKA**

Leuven

Senior System / DevOPS Engineer

Getting more experienced in maintaining enterprise level systems.

Cegeka Projects:

- Greenfield platform
 - * The greenfield platform will serve multiple teams, currently there is an active demand by the Agile software factory (ASF), the STAID computing, monitoring and network & security team.
 - * The openstack platform should contribute to a better and closer cooperation between the application developers and the STAID division. DEVOPS.
- DevOPS Forum
 - * Cegeka STAID organises the DevOPS forum in order to integrate and support DevOPS principles.
 - * Challenges:
 - Delegate resources from STAID to a sandbox to participate in the development of a vision on devops.
 - Cultural implementations of DEVOPS.
 - Usecase for greenfield (openstack) platform which will offer a flexible and extensible platform.
- Infrastructure as code renewal
 - * The computing team had been using it's puppet infrastructure for a while. I upgraded the infrastructure to a new framework based on jenkins-job-builder.
 - * Automatic puppet code testing was implemented using jenkins, puppet-rspec, beaker and docker containers.
 - * Code and data separation using hiera. Combined YAML and MySQL backend.
- OpenShift POC
 - * Together with the agile software factory a POC setup of OpenShift has been set-up and fully tested.
 - * OpenShift is a PaaS built by RedHat, based on docker and kubernetes.
 - * OpenShift 3 adds developer and operational centric tools to enable rapid application development, easy deployment and scaling, and long-term lifecycle maintenance for small and large teams and applications.

Customer Projects:

- Euroports

- * Euroports is an international group, offering transport and logistics solutions. Cegeka provides the infrastructure required by the customer. Include IaaS, PaaS.

- * Features:

- Big but stable environment
- All systems are maintained by puppet.

- FETIM

- * The Fetim group is an international corporation specialised in design, development, marketing and sale of floors, decoration and bathrooms.

- * Features:

- Good communication with the customer which lead to fast delivery of a stable infrastructure.

- Ipsum Energy

- * We disaggregate your total energy use into energy insight per device and your idle consumption, so you can see where you can save energy.

- * Features:

- Big data analytics based on a cassandra cluster.

2008–2012 **CEGEKA**

Leuven

3 Years Junior Support Engineer

Getting more experienced in maintaining enterprise level systems.

Detailed achievements:

- Telenet
 - * Cegeka STAID will provide the PHPJava/.Net development environments for this project. Extra attention is paid to continuous integration and the use of agile tools. We want to innovate quickly while providing a higher standard of support.
 - * Challenges:
 - Supporting multiple software staks, java (tomcat based, weblogic based), php based (multiple version)
 - Providing a good release process for code on the provided development servers
- Cegeka infrastructure
 - * I've created and maintained the internet provider related services for the Cegeka group. Such as a mail, dns, ftp platform with multi tenant support. I've started the implementation of puppet and it's attached continuous testing & delivery tools. All our code is tested for syntax errors, styling errors and tested for functionality using rspec-puppet.
 - * Challenges:
 - Puppet 0.24 was an early release, little documentation was available at that time
 - Defining a way to version the puppet modules we created
 - Defining a way to test and ship the code we created

2008 **CEGEKA**

Leuven

Internship

Internship at Cegeka Leuven for KHLeuven dpt. G&T.

Detailed achievements:

- Support and integration in the Cegeka Linux team
- Learned a lot about enterprise Linux systems from my mentor.

certifications

2019	Microsoft Azure Fundamentals AZ-900	Microsoft
2018	Red Hat Certified Specialist in OpenShift Administration EX280	Red Hat
2016	OpenStack Bootcamp OS100	Mirantis
2011-2016	Red Hat Certified Engineer (RHCE) License 111-210-076	Red Hat
2011	Red Hat Certified System Administration (RHCSA) License 111-210-076	Red Hat
2009	LPI Linux skills certification License LPI000165772	John Cordier Academy

meet-ups

2020	Red Hat Summit Red Hat Summit is the premier open source technology event for thousands of IT professionals to innovate and focus on high-performing Linux, cloud, automation and management, container, and Kubernetes technologies.	Virtual
2020	FOSDEM FOSDEM is a free event for software developers to meet, share ideas and collaborate.	Brussels, Belgium
2019	Red Hat Summit Red Hat Summit is the premier open source technology event for thousands of IT professionals to innovate and focus on high-performing Linux, cloud, automation and management, container, and Kubernetes technologies.	Boston, USA
2016	GITHUB Online project hosting using Git. Includes source-code browser, in-line editing, wikis, and ticketing. Free for public open-source code. Commercial closed source ...	Haasrode, Belgium
2016	Openstack Days OpenStack Days bring together hundreds of IT executives, cloud operators and technology providers to discuss cloud computing and learn about OpenStack.	Bussum, Netherlands
2016	FOSDEM Free and non-commercial yearly event organized by the community, for the community. Its goal is to provide Free and Open Source developers a place to meet.	Brussels, Belgium

expertise

Expertise	Area	Level
Infrastructure	RedHat Enterprise Linux 5,6,7	Expert
	Puppet, Rspec, Beaker, Jenkins	Expert
	Docker	Basic
Packages	MySQL	Expert
	Cassandra, ELK stack	Basic
	Apache, Tomcat, Wildfly	Expert
	Openstack, Openshift	Basic
	Git, SVN, Sonatype Nexus	Expert
	Cisco Ironport	Expert

summary

I am open minded, a proactive adviser, a structural problem solver, detailed problem analyzer. I adjust to different environments and I am flexible.

interests

professional: opensource software, puppet, automation, internet services, linux, storage, security, performance tuning **personal:** photography, scuba diving, mountainbiking