

THOMAS VAN DEN BERGE

CONTACT

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PROFILE

Motivated, energetic and tenacious System Engineer with a string PHP/Backend background who is enthusiastic about code, system reliability, automation and scaling. Experienced in PHP (10+ Years), DevOps practices (8+ Years) and anything cloud. Eager to learn, share and evolve.

Certified AWS Consultant

EXPERIENCE

DEVOPS ENGINEER

NGData / Ghent 2019/07 - 2019/11

Responsible for the installation and configuration of the development, test and demo environments of NGDATA's flagship product.

- Installation and configuration of Linux OS/AWS, Hadoop clusters and Lily;
- Automating of builds and deployments through build systems (Jenkins, bamboo) and scripting (bash, python, fabric)
- Uploading data, performing HTML/Javascript development tasks.

DEVOPS ENGINEER

Daikin Europe / Ghent 2019/02 - 2019/07

Supporting the Cloud and App development with IT infrastructure and supporting tools.

- Manage the IT infrastructure for our Cloud services and related support tools.
- Analysing risks and possible impact of the changes, defining details of the implementation and test scenarios and drawing up the necessary technical documentation.
- Monitor and improve the existing infrastructure.
- Move towards Infrastructure as Code

PHP DEVELOPER

DisplayHarmony / Roeselare 2018/07 - 2019/08

- Design and setup the architecture of the software.
- Code the entire (micro) application in PHP.
- Integrate software in existing hardware (Chromebit, LG WebOS, Android TV, ..).

EXPERIENCE

DEVOPS ENGINEER

Mind4Energy / Ghent 2017/12 - 2019/07

Mind4Energy is a company specialised in developing monitoring software for solar power plants.

When I joined Mind4Energy, they started transitioning from an on-prem environment to a cloud environment. They were also planning on rewriting the entire product in a micro service architecture.

- Maintain microservice PHP application
- Facilitate the move from an on-prem environment to a cloud environment (AWS).
- Setup cloud environments as code using Terraform.
- Implement automated deployment and testing workflows.
- Completely switch from an incident based workflow to an environment where it is possible to pro-actively react to events.
- Enable and implement autoscaling, based on AWS spot instances.
- Implement advanced monitoring tools for the dev and support team.
- Move scripts to a serverless infrastructure, mainly in Lambda and API Gateway.
- Work out the network and server infrastructure for the largest solar panel project in Belgium. Making sure the on-prem servers are in perfect sync with the cloud environment.

CLOUD ENGINEER

SkyScrapers / Ghent 2017/06 - 2017/12

SkyScrapers is a company that offers DevOps as a Service. Their goal is to help customers transition to the cloud and help them maintain their infrastructure.

- Help external customers make the transition to the cloud
- Setup cloud environments as code
- Implement automated deployment and testing workflows
- Advise customers on an architectural level which way to go

BACKEND DEVELOPER/DEVOPS

StarCoders / Ghent 2012/05 - 2017/06

- Move PHP Monolith to microservice architecture
- Setting up automated deployment workflows using Bamboo.
- Introduce first Vagrant, later on Docker and ECS.
- Setup monitoring and pro-active alerting. Deploying and maintaining web applications

TOOL STACK

■ Cloud Providers

AWS, Google Cloud, Azure, Digital Ocean

■ Provisioning

Terraform, CloudFormation, Puppet, Ansible, Chef, Packer, Fabric

■ Containerization

Docker, Kubernetes, Openshift, ECS, Fargate

■ CI/CD

Bamboo, Jenkins, Travis, Concourse, Gitlab CI, Bitbucket Pipelines

■ Programming Languages

PHP, Bash, Python, HTML, CSS, Javascript

■ Databases

RDS, MySQL, Neo4J, MongoDB, InfluxDB, DynamoDB

■ Monitoring

Zabbix, Grafana, Prometheus, Centreon, Nagios, Cloudwatch, ELK, Papertrail, Lggly, Graylog, Pingdom, Pagerduty

■ Big Data

Kafka, Hadoop

■ Web Hosting

Apache, NginX, Elasticache, Memcache, Redis, EC2, S3, Lambda