Paolo **Angiolillo**

DevOps Engineer

Maasmechelen, Limburg, 3630, Belgium

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"What we are today comes from our thoughts of yesterday, and our present thought build our life of tomorrow. Our life is the creation of our mind."

Education

Hogeschool PXL — *Hasselt, Belgium*

Bachelor's Degree in Information Technology — *Sep. 2015 - Sep. 2020*

- Specialisation in Systems and Networks.

Skills

DevOps	Docker, Kubernetes, Terraform, Ansible, Helm, Jenkins, Vagrant, Linux, Gitlab, Apache
Programming	Python, Golang, Bash
Languages	Dutch, English, Italian

Experience

VodafoneZiggo — *Maastricht, The Netherlands*

DevOps Engineer — *Oct. 2020 - Present*

- Managed a Kubernetes cluster with 200+ pods.
- Developed and maintained CI/CD pipelines to automate the build, test, and deployment processes, increasing team productivity.
- Migrated a Kubernetes cluster from a single master to a multi master setup, to prevent a single point of failure, using Ansible and Terraform deployed on-premise.
- Managing infrastructure as code using Ansible, Terraform, and Helm, ensuring consistent and reproducible deployments.
- Scripting and programming skills in Golang and Python, enabling automation of routine tasks and improving system efficiency.
- Successfully migrated database clusters to containerized environments, leveraging Docker, resulting in improved scalability and resource utilization.
- Implemented a centralized Nexus repository for managing,storing and retrieving artifacts using Docker and Ansible to automate the deployment.
- Implemented a centralized backup location with scheduled backups using Ansible, enabling disaster recovery when data is lost.
- Continuously researched and evaluated new tools and technologies to enhance the DevOps workflow and optimize infrastructure operations.

Ilionx — *Maastricht, The Netherlands*

DevOps Engineer — *Oct. 2020 - Present*

Gluo — *Hasselt, Belgium*

Internship — *Feb. 2020 - Jun. 2020*

- Conducted in-depth research on service meshes, including popular frameworks like Istio and Linkerd, evaluating their capabilities, benefits, and integration strategies to improve network communication, service discovery, and observability in microservices architectures.
- Orchestrated the deployment of the research infrastructure utilizing Terraform, seamlessly provisioning and managing cloud resources across both Google Cloud Platform (GCP) and Microsoft Azure, ensuring consistent and reproducible infrastructure setups for accurate testing and evaluation.