



Paolo Velati

SENIOR SRE · DEVOPS ENGINEER · SOFTWARE ENGINEER

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Skills

DevOps	Kubernetes (Vanilla, Rancher, OpenShift), Helm, Ansible w/ AWX, Terraform/grunt
CICD	Jenkins, GitLabCI, GitHub Actions, Azure DevOps, Tekton, ArgoCD
Programming	BASH, Python, PHP, Go
Virtualization	VMware, OpenStack, Proxmox, QEMU/KVM Vanilla
Storage	Ceph (Vanilla, Rook), Longhorn, GlusterFS, Object (S3, Minio), ZFS, vendor solutions
Network	Vendor network appliances (Cisco, Juniper, Dell), FreeBSD and Linux network stack, SDN
Monitoring	Prometheus w/ Thanos, Grafana, ELK Stack, Loki, Zabbix
Languages	Italian, English

Experience

Amadeus IT Group

Bel Air, Villeneuve Loubet, France

SENIOR SRE - DEVOPS ENGINEER - SOFTWARE ENGINEER

2019 - Today

- Implementation of large-scale automation of Openshift clusters on Azure Cloud using ServiceNOW, AWX, Jenkins, Terragrunt
- Design, creation, management and automation of Kubernetes clusters on bare metal (Openshift, Ceph w/ Rook)
- Build automation CICD pipelines with Ansible, Terraform, Puppet, Jenkins
- Automate provisioning of baremetal nodes using OpenStack Ironic
- Big Data platform architecture design and operations: Hadoop, Spark, Impala
- Migration of on-prem services to Azure Cloud
- Experience as Scrum Master

Consortium GARR

Milan, Italy

SYSTEM ENGINEER - IT SPECIALIST

2013 - 2019

- Deployed a centralized logging environment (ELK, Filebeat, Metricbeat, Kafka) for Production services and network appliances.
- Designed and managed DevOps Production and Pre-Production environment (Rancher, Kubernetes).
- Designed and managed environment for Pre-Production services (Openstack).
- Designed and managed environment for Production services (VMware vCenter).
- Designed and managed large public open-source software repository Mirror (GARR Mirror).
- Designed and managed public service for testing connection speed with browser on multiple backend (GARR SpeedTest).
- Designed and managed public service for sending large files between users (GARR Filesender).
- Architectural development, implementation and maintenance of EFSS GARRbox service (ownCloud).
- System Engineer and Support for next-generation backbone network (ELISA project).
- System Support for collaborative books project WikiToLearn.
- Full Data Center management (hw, network, systems, services), for Production and Pre-production environment.
- System Engineer/Support in European Research Project GN3Plus and GN4.
- System Support in Colibri Project (Jboss, PostgreSQL), a national imaging database of rare pediatric neurologic disorders.

FORMAT Systems & Networks for Lombardia Informatica

Milan, Italy

COMPUTER SPECIALIST

2011 - 2012

Janas Technologies & PL Consulting

Milan, Italy

COMPUTER SYSTEMS TECHNICIAN

2011 - 2013

Certifications

Azure Fundamentals AZ-900

MICROSOFT

Online

Mar. 2021

Certified Rancher Operator: Level One

RANCHER ACADEMY

Online

Aug. 2020

Certified Kubernetes Administrator (CKA)

THE LINUX FOUNDATION

Online

Aug. 2020

Talks

GARR Workshop 2019

PRESENTER FOR <FILESENDER> IN SESSION <GARR SERVICES, UPDATE AND SCRUM METHODOLOGY>

- Introduced the architectural changes and automation for Filesender service.

Rome, Italy

Oct. 2019

CS3 - Cloud Services for Synchronisation and Sharing

PRESENTER FOR <GARRBOX: STATUS AND FUTURE DIRECTIONS>

- Service status overview and evolution from a technological perspective.

Rome, Italy

Jan. 2019

INFN-CCR Workshop & GARR Workshop 2018

PRESENTER FOR <VIS UNITA FORTIOR. AN EXPERIMENTATION OF MULTI-SERVICE TELEMETRY>

- Description of the architecture used for advanced telemetry of services and networks using data lakes.

Rimini & Rome, Italy

May & Jun. 2018

GARR Workshop 2016

PRESENTER FOR <INSTALLARE E GESTIRE OPENSTACK IN AUTOMATICO CON FUEL SU STORAGE FIBER CHANNEL>

- Introduced the architectural choices made and experiences with Fuel Openstack using Fiber Channel storage.

Rome, Italy

Apr. 2016

Courses

EC-Council Computer Hacking Forensic Investigator

CNAF

- Identify intrusion traces and correctly gather sources of evidence necessary to demonstrate incidents.

Bologna, Italy

Dec. 2016

School4Developers 2016: Agile methodologies

POLISH OPTICAL INTERNET RESEARCH CENTER

- Introduction to agile methodologies (Modern Agile, Scrum, Kanban, XP): theory, principles, demonstration, exercises

Poznań, Poland

Oct. 2016

Cloud Storage Solutions for OpenStack: CEPH

UNIVERSITÀ DEGLI STUDI DI BARI

- CEPH storage for Openstack deployment. Operations and management with automation tools.

Bari, Italy

Dec. 2015

Education

Università degli Studi di Milano-Bicocca

MASTER'S DEGREE IN COMPUTER SCIENCE

- Thesis: "Network Function Virtualization: universal CPE and SD-WAN".

Milan, Italy

2016 - 2018

Università degli Studi di Milano

BACHELOR'S DEGREE IN COMPUTER SCIENCE

- Thesis: "Network-as-a-Service (NaaS): network virtualization in the cloud".

Milan, Italy

2008 - 2013