Lorenzo Girardi
Platform Architect

PERSONAL DETAILS

Lorenzo Girardi
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W: www.k8s.it
W: github
W: grafana

DOB: 16/02/1983
Driving license: YES
Nationality: Italian

AREAS OF EXPERIENCE

Site reliability engineer

Datacenter management

People management

Business projects

Virtualization technology

Networking

Cloud

Operating systems

High Traffic infrastructures

Monitoring

Observability

Kubernetes

PCI DSS

Automation

PERSONAL SUMMARY

#semi-serious

Always been passionate about technology,
towards late 90's I was a regular on irc's exploit crew/clan channels
I learned that I had to learn a lot more than just throwing an exploit.
In the early 2000s, I lived on packetstormsecurity and the like.

Ignoring any advice from my family about continuing a profession
"physical" of architecture (I was/am a surveyor), I enrolled at the
University of Insubria with an IT address.
Once again what was delivered (thanks to Italian universities) was
very far from the needs of the world of work.

I started gaining experience in an Italian e-commerce company (eprice
srl),
here I learned how everything I studied was 90% ineffective.
I divided myself between user support (helpdesk), internal server room,
and production servers …
The helpdesk part made me understand that machines were better than
humans (I don't know if you can define a skill)

Looking for new motivations, but also a remuneration able of making me
survive, I took advantage of the body rental to see different realities and
with very varied orders of magnitude.

I then come to the most exciting experience that hasn't finished yet, in
2011 I land to bravofly.
The company is in strong growth going from a startup to something more.
In front of me, I had very different technologies used in another way from
the "usual"
Here I begin to deal first of all with the windows infrastructure that
manages the .net applications

I take advantage of the ability to interact with the Linux layers to continue
the exploration of the open-source world that I have always followed.

After a few years, I manage to have my dimension and the ability to
impact the changes, from there to a few years I acquired the necessary
confidence to manage a technical team as a team leader

Architecture

Infrastructure as a code

PERSONAL SKILLS

Technically minded

Pro-active

Analytical

My work is also my hobby

PROFESSIONAL SKILLS

java – tomcat – jboss –springboot – javamelody – jmx

.net – iis – sql server – cluster WSFC – alwaysON – iis ARR – cluster NLB

apache – mod balancer – mod proxy balancer – mod jk – mod cluster

nginx – vts module – ingress – traefik – kong - haproxy

vmware esxi – veeam backup / replication

rhev – ovirt

AWS – s3 - vpc – peering – loadbalancer – cloudformation – opsworks – api gateway

Azure – powershell cli – database as service

puppet – jenkins – pipeline – rundeck – spacewalk - ansible – terraform – packer - spinnaker

Monitoring – nagios handlers – cacti – grafana – collectd – telegraf - statsd - influxdb – carbon – graphite – prometheus – cortex - loki

ldap – active directory – bind – domain trust – domain hierarchy -

As I grew older, I noticed that I was able to be happy seeing my teams deliver results
I, therefore, accepted a managerial position following +12 people

During these 3 years, everyone remained alive, no one was mistreated, and apparently, they are also happy with the work done together.

Lately, I've felt the need to focus on the architectural part of the infrastructure, moving from manager to architect, to lead the infrastructure overall, datacenter on-prem, cloud, and third-party solutions
amalgamating product and technology in a common direction, reducing business "follies",
create flows and processes that can lead to innovation in compliance with pci/gdpr , good sense...
chanting for "keep it simple" and "If it isn't there, it can't break" and other buzzwords

WORK EXPERIENCE

SRE Platform architect – BravoNEXT sa
Nov 2022 - present

SRE Team Manager – BravoNEXT sa
Jan 2019 - present

SRE Team Leader – BravoNEXT sa
May 2016 – 2018

System administrator – BravoNEXT sa
Jan 2012 – mid 2016

Acting as manager and technical lead to identify and implement new projects in a large heterogeneous environment.

Duties:
- Shape infrastructure environment
- Drive teams to strive for success
- Design new technology to improve the business
- Technology abstraction to make easy the usage
- Planning building with KPI and milestone roadmap
- Infrastructure as a code
- Sponsoring "*keep it simple*"
- "*If it isn't there, it can't break*"
- Sponsoring observability to create SLI SLO SLA
- Create awareness of the products

adfs – oauth - saml

openvpn – strongswan – openswan – site to site – road warriors – traffic shaping – traffic inspection

k8s – kubernetes – docker – flanneld – etcd – service mash – apigw – containerd – kubespray – hpa - autoscaling

google cloud platform

- Design for failure

- Roles mindset oriented based on MS Active directory, adfs , openldap, oauth
- Linux machines orchestration
- Windows server orchestration
- Virtualization infrastructure based on rhev/ovirt and vmware
- Kubernetes infrastructure management on-prem / hybrid /cloud
- Network management ipsec open source strongswan , openswan and cisco and fortinet
- PCI DSS management and improvements
- Extensive knowledge of kubernetes and microservices
- Analysis and advantages of hybrid cloud
- Infrastructure as a code with the most useful tool based on company strategy / teams / engagements

System administrator – Luxury Goods International LGI sa
contractor Temera sa 2011-2012
contractor IT Time sa 2010-2011

managing and responsible of end users tools , vpn cisco, active directory structure , lotus domino server and a first levelcontact for as400

Duties:
- Managing Mail Server Domino
- Management of mobile service on Blackberry
- Configuration and management VPN Cisco
- Active Directory management GPO
- AS400 jda , jd Edwards

System administrator – Eprice srl
2008-2010

System administrator CED Gallarate and business farm Milano

Duties:
- Management remote data center on Colt (Milano) iNET (Settimo Milanese)
- Configuration windows and linux server based on vmware esx4 and esxi 4.1
- Deploy and configuration windows server 2000, 2003, 2008 standard enterprise for business solution

- Deploy and configuration linux server for advanced internal solution (samba server, hw monitoring, performance monitoring, web employee portal , vpn server)
- Iscsi and fiber storage configuration and management
- Configuration and management of workstations working on Windows Xp e Windows 7.
- Server backup management tape DELL
- Network develop for company and other 30+ corner site

OTHER LANGUAGES

	Understanding		Speaking		Writing
	Listening	Reading	Interaction	Production	
English	B2	B2	B2	B2	B2
French	A2	A2	A2	A2	A2

EDUCATION

- 2003-2008
  Università degli studi dell'Insubria facoltà di informatica
  Information technology
- 1997- 2002
  Pier Luigi Nervi I.T.Geometri