





ETTORE CIARCIA - CLOUD & KUBERNETES ENGINEER

WORKING EXPERIENCE


SUSE - Premium Support Engineer

-  Nov 2024 - Present
-  Nuremberg, Germany (Full Remote)
- I provide dedicated support to customers using Cloud Native technologies based on SUSE products, including Rancher Prime, NeuVector, Longhorn, monitoring stack.

SIGHUP - Cloud & Kubernetes Engineer

-  Apr 2023 - Present
-  Milan, Italy (Full Remote)
- Implemented CNCF technologies for clients across various industries, managing the deployment of networking, storage, monitoring, and disaster recovery solutions within Kubernetes clusters
 - I actively participated in a major Kubernetes upgrade campaign (25+ clusters) aimed at upgrading client clusters to the latest available versions (100+ version upgrades achieved with minimal downtime and without exceeding the error budget). This initiative provided me with an opportunity to significantly enhance my expertise across a wide spectrum of internal cluster services. I executed these operations on leading cloud providers, as well as on-premise environments utilizing vSphere.
 - I took part in overnight rotations for the 24/7 on-call service for critical clients and actively monitored live streaming services that experienced heavy traffic during live broadcasts (>2000 requests per second)
Technologies involved : Kubernetes, Grafana, Prometheus, Velero, NGINX Ingress Controller, AWS, Azure, Terraform, Ansible, Kong Gateway

Epsilon S.r.l - Cloud Engineer

-  Nov 2021 - Apr 2023
-  Naples, Italy (Hybrid)
- Proficient in infrastructure provisioning utilizing Infrastructure as Code (IaC) policies across leading cloud providers via Terraform Cloud or with self managed state (25+ projects). Experience in designing and implementing pipelines for seamless container deployments on Kubernetes and Amazon Elastic Container Service (ECS)
 - Migrated an entire project and all its components from Docker Swarm (on premise) to Kubernetes (OKE) and created pipelines for each service to enable automatic build and deployment
Technologies involved: Kubernetes, Docker, Terraform, Linux System, AWS Services (EKS, ECS, ECR, EC2, VPC, Lambda,S3, CDN, Pipeline Stack, IAM), Oracle Cloud

CSC Informatica - System Administrator

-  May 2019 - Feb 2021
-  Avellino, Italy (On Site)

PERSONAL PROJECT

- Personal Website**: I needed a space to share my monthly article, so I built this website with Hugo, hosted it on an S3 Bucket, and deployed it using Terraform. Additionally, I've implemented CI/CD pipelines with GitHub Actions. From pushing changes to the main branch to making them live on the website, it takes less than 20 seconds. **Costs: less than 0,60 USD per month, SLA: 99,99%.**
- Sharing homelab over a network overlay**: Project born out of the need to have a Kubernetes cluster with nodes in different homelabs (in different countries) and realized by setting up the necessary infrastructure on AWS using Terraform and a Headscale server configured with Ansible. **Cost: 0 USD, SLA (single EC2 instance for the Headscale server): 99.5%**

PERSONAL INFO

Mail: ettoreciarcia.tech@gmail.com
GitHub: [ettoreciarcia](https://github.com/ettoreciarcia)
Personal website: ettoreciarcia.com
Location: Avellino, Italy

TALKS

Linux Day Benevento 2024
Kubernetes Workshop Bologna 2024
TechHero Rome 2024
Linux Day Benevento 2023
AWS EKS - AWS Immersion Webinar 2023
Honeynet on AWS 2022

CERTIFICATIONS

Certified Kubernetes Security Specialist
Kubestronaut
Terraform Associate 003
Certified Kubernetes Administrator
AWS Solution Architect Associate
Complete list of acquired certifications (12) [here](#)

SKILLS

- Cloud Services
- Infrastructure as code
- Containerization
- Operating System
- Networking
- Security
- Virtualization

MAIN TECHNOLOGIES

- AWS
- Kubernetes
- Terraform
- Linux System
- Containerd
- Docker
- Nginx
- Prometheus
- Grafana
- Velero
- Oracle Cloud
- Ansible
- ELK Stack

PROGRAMMING LANGUAGES

- Bash
- Python
- C/C++

LANGUAGES

Italian (Native) ●●●●●

English (B2) ●●●●●

EDUCATION

Accenture - Cyber HackAdemy
Federico II, Naples
 May 2021 - Jan 2022

BE Computer Engineering
Federico II, Naples
 2015 - Ongoing