

# ETTORE CIARCIA - CLOUD ENGINEER

## WORKING EXPERIENCE

### 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%.**
- stUTILo**: Project to reduce costs of non-production EKS clusters. In its basic configuration, it can **reduce costs by up to 70%** without impacting developers' activities. **Costs: 0 USD per month**
- 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

Date of birth: 15/02/1996

Mail: [ettoreciarcia.tech@gmail.com](mailto:ettoreciarcia.tech@gmail.com)

GitHub: [ettoreciarcia](https://github.com/ettoreciarcia)

Personal website: [ettoreciarcia.com](https://ettoreciarcia.com)

Location: Avellino, Italy

## TALKS

[Kubernetes, kubernauti and Kubeinvaders!](#) 2023

[AWS EKS - AWS Immersion Webinar](#) 2023

[HoneyNet on AWS](#) 2022

## CERTIFICATIONS

[Certified Kubernetes Security Specialist](#)  
[Kubernetes and Cloud Native Security Associate](#)  
[Certified Kubernetes Application Developer](#)  
[Terraform Associate 003](#)  
[Certified Kubernetes Administrator](#)  
[AWS Solution Architect Associate](#)  
Complete list of acquired certifications [here](#)

## SKILLS

Cloud Services   Infrastructure as code  
Containerization   Operating System  
Networking   Automation   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 ●●●●●  
English ●●●●●

## EDUCATION

[Accenture - Cyber HackAdemy](#)

[Federico II, Naples](#)

📅 May 2021 - Jan 2022

BE Computer Engineering

[Federico II, Naples](#)

📅 2015 - Ongoing