

ETTORE CIARCIA - CLOUD ENGINEER

WORKING EXPERIENCE

SIGHUP - Cloud & Kubernetes Engineer

📅 Apr 2023 - Present

📍 Milan, Italy (Full Remote)

- 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)

- Managed the IT department of a clinic (140+ workstations) and the connections with the medical devices in the clinic's laboratory. Migrated nearly all end-of-life devices to more supported versions.

PERSONAL PROJECT

- Self hosted K3s in my homelab + DevSecOps pipeline** The goal of this project was to simulate the complete lifecycle of an application, starting from the moment a developer pushes code to a VCS to when the changes are deployed into production within the cluster. To achieve this, I implemented a DevSecOps pipeline using GitHub Actions and utilized a single-node K3s cluster.
- 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

Date of birth: 15/02/1996

Mail: ettoreciarcia.tech@gmail.com

GitHub: [ettoreciarcia](#)

Personal website: [ettoreciarcia.com](#)

Location: Avellino, Italy

TALKS

[Kubernetes, kubernauti and Kubeinvaders!](#) 2023
[AWS EKS - AWS Immersion Webinar](#) 2023
[HoneyNet on AWS](#) 2022

CERTIFICATIONS

[Terraform Associate 003](#) 2023
[Certified Kubernetes Administrator](#) 2023
[AWS Solution Architect Associate](#) 2023
[AWS Cloud Practitioner](#) 2020
[Microsoft Azure Fundamentals AZ-900](#) 2020

SKILLS

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

MAIN TECHNOLOGIES

AWS Kubernetes Terraform
Linux System Containerd Nginx
Prometheus Grafana Velero
OCI 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