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
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

Kubernetes and Cloud Native Associate 2024
Certified Kubernetes Application Developer 2024
Terraform Associate 003 2023
Certified Kubernetes Administrator 2023
AWS Solution Architect Associate 2023
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