ETTORE CIARCIA - SITE RELIABILITY ENGINEER

WORKING EXPERIENCE

SIGHUP - Site Reliability Engineer

📅 Apr 2023 - Present   📍 Milan, Italy

- I actively participated in a major Kubernetes upgrade campaign (25+ clusters) aimed at advancing client distributions to the latest available versions (100+ version upgrades achieved with minimal downtime and without depleting 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

- 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

- 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. Network troubleshooting, experience Windows and Linux Server. User management and related privileges within Active Directory. I reorganized backup policies for many of the clients for whom I managed the storage aspect, implementing a 3-2-1 backup strategy from scratch.
  Technologies involved : ELK Stack, Beats, Linux System, AWS Services (EC2, Lambda), Linux, Windows Server, Windows Client, Firewall, NAS

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, it takes less than 20 seconds. SLA: 99,99%. Costs: less then 0,60 USD per month
- **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 INFO

Date of birth: 15/02/1996
Mail: ettoreciarcia.tech@gmail.com
GitHub: ettoreciarcia
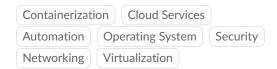Personal website: ettoreciarcia.com
Location: Avellino, Italy

TALKS

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

Containerization   Cloud Services
Automation   Operating System   Security
Networking   Virtualization

MAIN TECHNOLOGIES

AWS   Kubernetes   Containerd
Linux System   Terraform   OCI   Ansible
ELK Stack

PROGRAMMING LANGUAGES

Python   C/C+   Bash   SQL

LANGUAGES

Italian   ●●●●●

English   ●●●●○

EDUCATION

Accenture - Cyber HackAdemy

Federico II, Naples

📅 May 2021 – Jan 2022

BE Computer Engineering

Federico II, Naples

📅 2015 – Ongoing