


# Riccardo Merlano

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Experienced in managing cloud platforms and implementing automation pipelines in complex environments. Specialized in Google Cloud Platform (GCP) solutions, Infrastructure-as-Code (IaC), and advanced monitoring. Combining strong technical expertise with a strategic approach to optimize processes and ensure the reliability of enterprise platforms.

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## Experience

DICEMBRE 2021 – PRESENT

**DevOps Engineer** / NTT DATA Italia (Client: Sky Italia – DataPlatform & Analytics)

- Management and administration of Google Kubernetes Engine (GKE) environments for Sky DP&A platform components.
- Configuration and maintenance of GCP services, including Dataflow, Cloud Functions, and Cloud Run.
- Infrastructure automation using Terraform.
- Implementation and maintenance of automation pipelines using Jenkins, for both CI/CD and general-purpose automation.
- Administration of Prometheus/Grafana stack to monitor system performance and data flow integrity.
- Management of Sky DP&A GitHub repositories, integrating Jenkins pipelines for code quality control with SonarQube.
- Support for FinOps activities, optimizing GCP platform costs.
- Participation in 24/7 On-Call shifts, troubleshooting data ingestion issues.
- Maintenance of platform network infrastructure.
- Design and implementation of cloud architectures for API services on GKE, accessible externally via Nginx.

DICEMBRE 2020 – DICEMBRE 2021

**Cyber Security Engineer** / FacilityLive Op.Co.

- Conducted penetration testing on FacilityLive proprietary platforms.
- Performed vulnerability assessments and code reviews using SonarQube.
- Developed an internal Capture The Flag (CTF) platform for corporate training.

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## Skills

### DevOps & Automazione

- CI/CD: Jenkins, Google Cloud Build.
- IaC: Terraform.

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- CI/CD: Jenkins, Google Cloud Build.
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## Cloud Computing

- GCP: GKE, Dataflow, Cloud Functions, Cloud Run.
- Containerization: Docker, Kubernetes, Helm.
- AWS: Basic knowledge of core services (S3, Lambda, DynamoDB, API Gateway).

## Monitoring & Security

- Monitoring: Prometheus/Grafana stack.
- Code Quality Control: SonarQube.

## Programming

- Python
- Bash
- Groovy

## Languages

- Italian: Native
- English: B2 Level

## Certifications

- Google Cloud Professional DevOps Engineer (2023)

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# Education

2018 – 2020

**Master Degree in Computer Engineering: Embedded and Control Systems** / Università degli Studi di Pavia

- Thesis: "Study and analysis of Cross Site Leaks (XS-Leaks) attacks with individuation of security countermeasures applicable to FacilityLive Cloud platform."
- Research results published on [xsleaks.dev](https://xsleaks.dev).

2014 – 2018

**Bachelor's Degree in Electronic and Computer Engineering** / Università degli Studi di Pavia

- Thesis: "Study of factors influencing meal response during artificial pancreas experiments at the Amsterdam clinical center."

2009 – 2014

**High School Diploma** / I.T.I.S. G. Caramuel, Vigevano (PV)

- Technological Science High School

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# Soft Skills

- Strong sense of responsibility and commitment to maintaining high standards.
- Team-oriented, with a focus on knowledge sharing and collaboration.
- Ability to give and receive feedback, fostering constructive communication.
- Empathy and active listening, promoting a positive team dynamic.
- Critical thinking and analytical skills, valuable for assessing complex situations.
- Proactive problem-solving approach, with a strong sense of initiative.
- Curiosity and continuous learning mindset, inspired by new experiences and knowledge.