

Domenico Terrazzino

DEVOPS ENGINEER & INFRASTRUCTURE SPECIALIST

Turin, Italy

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LinkedIn

PROFILE

DevOps and Infrastructure Engineer with 4+ years of production experience managing hybrid cloud/on-premise environments for industrial clients. Hands-on track record in containerized service deployment, CI/CD automation, observability stack implementation (Grafana · Prometheus · Loki), and Ansible-based fleet automation. Distinctive specialization in Industrial IoT — bridging OT protocols (OPC UA, Modbus) with modern IT infrastructure in Industry 4.0 contexts.

TECHNICAL SKILLS

Containers	Docker	Docker Compose	Container networking		
CI/CD & Automation	GitHub Actions	Ansible	Git	whatsupdocker	
Observability	Grafana	Prometheus	Loki	Alertmanager	
Infrastructure	Linux (Ubuntu · Debian · CentOS)	VPS (OVH · Contabo · AlphaVPS)	On-Premise server management		
Networking	TCP/IP · DNS · DHCP	Traefik	Nginx · Apache	Firewall / NAT	
Databases	MongoDB	Redis	MinIO		
Languages	Node.js	Bash / Shell scripting	YAML · JSON · XML		
IIoT / OT	OPC UA	Modbus TCP/RTU	FANUC FOCAS2	Heidenhain DNC (LSV2)	Weintek HMI
In Progress	Kubernetes	Terraform	AWS		

EXPERIENCE

Industrial Cloud

Sep 2022 – Present

DevOps Engineer & Infrastructure Specialist · Turin, Italy

- Designed and maintained hybrid infrastructure (VPS: OVH, Contabo, AlphaVPS + on-premise servers) for production client environments; enforced Docker network segmentation to isolate inbound/outbound traffic between services.
- Deployed and maintained a containerized service stack (MES, Redis, MinIO, monitoring tools) using Docker Compose across demo and production environments.
- Implemented centralized observability stack — Grafana, Prometheus, Loki — enabling real-time log aggregation and metric monitoring across all client environments.
- Configured automated CI/CD pipelines via GitHub Actions for demo deployments; co-developed semi-automatic branch-based pipelines for test server promotion; managed client fleet updates with Ansible +

whatsupdocker.

- Developed a custom Node.js telemetry filtering algorithm using statistical mode analysis, **reducing stored data volume by 70%** while preserving trend accuracy — lowering MongoDB storage costs without impacting monitoring fidelity.
- Built a proprietary automated backup system with geographic replication across two distinct storage servers, ensuring Disaster Recovery for client data; configured and maintained company NAS infrastructure.
- Integrated industrial machines (Fanuc CNC, Heidenhain controllers) with IT systems via OPC UA and Modbus TCP/RTU; developed Weintek HMI firmware for telemetry and machine interconnection.
- Conducted factory network mapping at client sites; delivered Level 2 technical support and infrastructure consulting for industrial environments.

Mecaprom

Jan 2021 – May 2021

Mechatronics Technician — Curricular Internship · Turin, Italy

- Developed an automotive lightshow demo for an Italdesign subcontract project using the DMX 512 protocol; built a miniature LED prototype for synchronization and testing. Maintained development workstations.

EDUCATION

ITS Tecnico Superiore — Sistemi Meccatronici (Automation) · EQF Level 5 2020 – 2022

Fondazione ITS Mobilità Sostenibile · Turin

Diploma di Telematica · EQF Level 4 2011 – 2016

I.I.S. J.C. Maxwell · Nichelino (TO) — Telecommunications, CISCO, Cybersecurity

Electronic Engineering · attended, not completed 2016 – 2020

Politecnico di Torino

CERTIFICATIONS

FANUC Academy FA20 — IIoT Software Development Mar 2023

FANUC FOCAS2 library integration, Ethernet TCP/IP & HSSB channels for Industry 4.0 data extraction · In-person

Heidenhain DNC Course Dec 2022

.NET/C# MES integration with legacy CNC controls (iTNC 530), LSV2 protocol, real-time machine monitoring · Heidenhain Italiana

Decoding DevOps — From Basic to Advanced Projects with AI Jul 2026

Docker, Kubernetes, CI/CD, IaC, cloud deployment, observability · Udemy (Imran Teli)

LANGUAGES

Italian

Native

English

B2 Reading & Listening · B1 Writing & Speaking