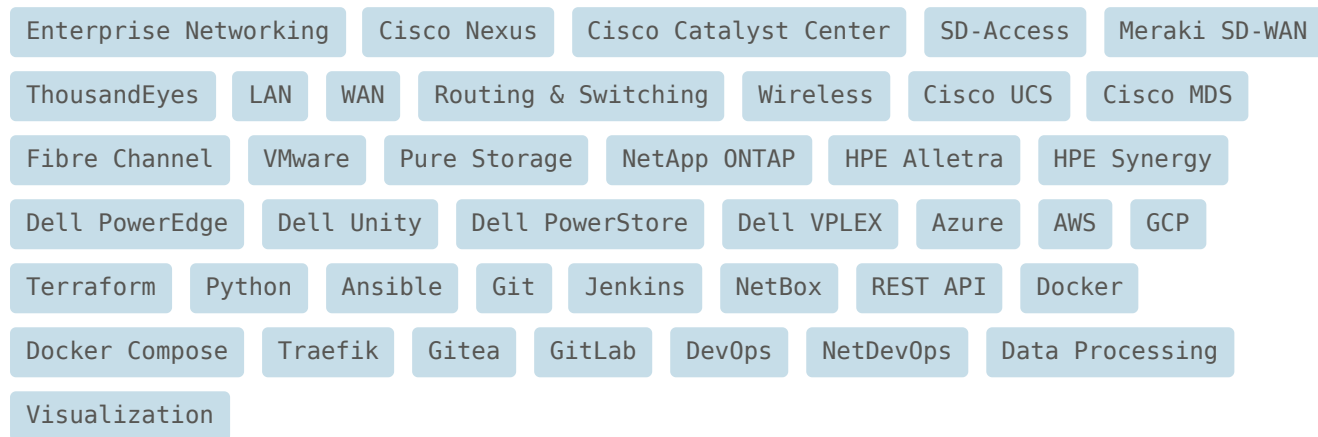


# Umberto Calò

## Network, Data Center and Automation Engineer

Network Engineer with 7 years of experience delivering enterprise networking, data center, cloud and automation solutions across large-scale customer environments.



[umbertocalo09@gmail.com](mailto:umbertocalo09@gmail.com) · [Milan, Italy](#) · [linkedin](#) · [github](#)

## PROFESSIONAL EXPERIENCE

---

### NTT Data

#### Milan

##### Senior Associate Systems Integration Specialist

2025 - Present

- Contributing to the design and delivery of enterprise networking, data center, cloud and automation solutions for strategic customers, from assessment through implementation and operational handover.
- Working on large-scale data center transformation initiatives, including enterprise data center migrations and greenfield Disaster Recovery infrastructure design.
- Taking part in network automation initiatives, developing Python-based solutions integrating CMDBs, configuration management, compliance validation and monitoring.

##### L2 Technical Services Implementation Engineer

2022 - 2025

- Delivered design, implementation and operational support for enterprise networking, data center and cloud infrastructures.
- Specialized in compute, storage, virtualization and cloud technologies, supporting a major customer's cloud transformation across Azure, GCP and AWS.
- Led end-to-end delivery of a Cisco Meraki SD-WAN rollout across ~50 retail sites.

L1 Technical Services Implementation Engineer

2019 - 2022

- Supported deployment, configuration, testing and acceptance of enterprise networking and data center infrastructures across a wide range of customer environments, from single-device installations to multi-day infrastructure upgrades.

PROJECTS

AI Pod Deployment

2026

Internal project - Development – AI/Infrastructure Engineer

Design and implementation of an on-premises AI lab based on open-source solutions: Ollama and Open WebUI powered by an NVIDIA RTX PRO 6000 GPU (96 GiB RAM). The architecture integrates several MCP servers orchestrated via MCPO proxy, providing the AI assistant with tools for web search, crawling, document generation, and bidirectional CRUD management of a NetBox appliance used as a DCIM solution (devices, IPs, VLANs, VMs, circuits, etc.). Includes configurable system prompts, and a full containerized deployment pipeline on Docker Compose.

DEV

Python

Docker

Docker Compose

Ollama

Open WebUI

MCP

MCPO

NetBox

Crawl4AI

OfficeCLI

NVIDIA CUDA

REST APIs

DevOps

Greenfield Disaster Recovery Data Center Design

2026

Leading Defense Industry Company – Data Center Engineer

Comprehensive assessment of the customer’s primary data centers to design a new greenfield Disaster Recovery infrastructure, including compute, storage, virtualization, network fabric, SAN and DR workflows.

Cisco UCS

Cisco MDS

Cisco ACI

Cisco Nexus Dashboard Orchestrator

HPE Synergy

Dell PowerEdge

Dell Unity

Dell PowerStore

Dell VPLEX

Pure Storage

VMware ESXi

VMware vCenter

Fibre Channel

SAN Zoning

Zerto

Enterprise Data Center Assessment & Migration

2025

Leading Transportation Company – Data Center Engineer

Assessment and migration planning of one of the customer’s primary data centers, analyzing existing architecture, technology stack, dependencies and operational workflows.

Cisco UCS

Cisco MDS

HPE Synergy

HPE Alletra

Pure Storage FlashArray

Dell Unity

Dell VxBlock

VMware ESXi

VMware vCenter

Fibre Channel

SAN Zoning

## Network Automation Platform & NetDevOps Enablement

2025

Enterprise Manufacturing & Retail Company – Network Automation Engineer

Designed and implemented a custom automation platform: containerized environment with segregated NetBox instances, Git-based automation with Gitea and Jenkins, and a custom KPI dashboard behind Traefik.

Python

Docker

Docker Compose

NetBox

Gitea

Jenkins

Traefik

Cisco Meraki API

## Cisco Meraki Infrastructure KPI Tracking Platform

2024

Enterprise Manufacturing & Retail Company – Network Automation Engineer

Custom monitoring and reporting solution to collect and visualize KPIs across multiple Cisco Meraki organizations: device inventory, licensing, connected clients, guest users and bandwidth utilization.

Python

REST APIs

Cisco Meraki Dashboard API

Data Processing

Visualization

## Enterprise Campus Transformation & Catalyst Center Adoption

2023

Leading Media & Entertainment Company – Network Engineer (Staff Augmentation)

Supported campus transformation initiatives: ThousandEyes for application visibility, migration of Catalyst Center from single-node to a three-node HA cluster, and SD-Access design/PoC activities.

Catalyst Center

SD-Access

ThousandEyes

Campus Networking

## Enterprise Cloud Transformation & SD-WAN Delivery

2022

Leading Oil & Gas Company – Network Engineer (Staff Augmentation)

Contributed to enterprise network and cloud architectures across Azure, AWS and GCP with Terraform and GitLab. Led the transition of a Cisco Meraki SD-WAN solution from PoC to production for ~25 remote locations.

Azure

AWS

GCP

Terraform

GitLab

Cisco Enterprise

Cisco Meraki SD-WAN

## UEFA EURO 2020 — Stadium Network Operations

2021

UEFA – Network Implementation & Operations Engineer

Contributed to implementation, validation and operational support of the network infrastructure at the Rome Olympic Stadium, ensuring service availability during live match broadcasts.

Cisco Enterprise Networking

LAN

WAN

Routing & Switching

Wireless

Network Operations

## CERTIFICATIONS AND STUDIES

---

### Cisco

#### Enterprise Networking, Data Center, Automation and AI Infrastructure

- Cisco Black Belt - SecureAI Factory Pre-Sales Stage 1 (Partners only) — Jul 2026
- AI Solutions on Cisco Infrastructure Essential — May 2025
- Cisco Black Belt - Intersight Deployment Stage 1, 2 and 3 (Partners only) — Jul 2023
- Cisco Black Belt - UCS Deployment Stage 1, 2 and 3 (Partners only) — Mar 2023
- Cisco CCNP Data Center — Mar 2022
- Cisco Certified Specialist - Data Center Core (DCCOR 350-601) — Mar 2022
- Cisco Certified DevNet Specialist - DC Automation (DCAUTO 300-635) — Jun 2021
- Cisco CCNA Routing and Switching (200-125) — Jan 2020
- Cisco IT Essentials — May 2019

### Microsoft

#### Cloud Fundamentals

- Cloud Champion Italy - Microsoft Azure Technical Qualified — Feb 2021
- Microsoft Certified: Azure Fundamentals (AZ-900) — Jun 2020

### NetApp

#### Enterprise Storage & Data Management

- NCDE, NSO-184 — NetApp Certified Storage Installation Engineer, ONTAP — Apr 2025
- NCDA, NSO-162 — NetApp Certified Data Administrator, ONTAP — Dec 2023

## EDUCATION

---

### ITIS Vittorio Emanuele III

2013 - 2019

Palermo, Italy

High School Diploma in Information Technology and Telecommunications