

# Marco De Benedictis

Turin, Italy / <https://www.linkedin.com/in/marcoxdebenedictis> / <https://github.com/mrcddb>



PhD and senior security engineer with several years of experience researching and consulting on high-end cybersecurity projects within the private and public sectors, now focusing on Kubernetes, cloud native security and open source software.

## WORK EXPERIENCE

**Technical Account Manager - Wiz. Turin, IT 12/24 - ongoing**

**Technical Lead - Security Technical Advisory Group - Cloud Native Computing Foundation. 9/24 - ongoing**

Active contribution to the Security Technical Advisory Group (TAG Security) of the CNCF, providing support to projects in the landscape with regards to security reviews and other internal activities within the group.

**Cloud Native Senior Consultant - ControlPlane. London, UK (remote) 05/22 - 12/22**

Threat modelling cloud-native deployments for clients, to assess risk, define high-impact threats and applicable security controls to help de-risk them. Focusing on Kubernetes and container security, and in securing cloud services, infrastructures, and pipelines. Helping companies build DevSecOps capabilities and migrate existing workflows and processes to more agile, cloud-native solutions. Training clients on containers and cloud-native security. Speaker at KubeCon + CloudNativeCon Europe 2024 and two Kubernetes Community Days. Instructor for the "Kubernetes Security: Attacking and Defending Kubernetes" course for O'Reilly Online.

**Security Engineer - 7Layers. Turin, IT 02/20 - 05/22**

Research & Development of cyber-security solutions that both leverage proprietary technologies and custom-built tools for the detection of security incidents and their remediation in heterogeneous target infrastructures. Focus on cloud infrastructures and cloud-native technologies, interested in Kubernetes and container security. Technical proficiency on advanced endpoint detection & response, log management & aggregation, and security automation tools.

**Visiting Researcher - Security Lab of Hewlett Packard Enterprise. Bristol, UK 10/18 - 12/18**

Designed a novel extension to the Trusted Platform Module 2.0 architecture to support virtualised environments by binding the physical device with one or more virtual TPM instances as part of the PhD research.

**Security Researcher - Polytechnic University of Turin. Turin, IT 2/16 - 11/19**

Designed and developed a trust architecture tailored for a lightweight cloud environment and integrated in a Network Functions Virtualisation platform. Designed and developed a run-time remote attestation technology for containers. Built a multi-container design for a virtual network function with mandatory access control policies to secure inter-container communication and shared data volumes. Contributed to the design and architecture of the NFV platform defined within the SHIELD Horizon 2020 project. Authored 9 papers in the field of cybersecurity that were presented in international conferences (IEEE) and published in peer-reviewed scientific journals.

## CORE SKILLS

DevSecOps  
Kubernetes  
Containers  
Linux

Public Cloud (AWS, GCP)  
Infrastructure as Code  
CI/CD Pipelines  
Software Supply Chain Security

Threat Modelling  
Vulnerability Management  
CNAPP  
Security Operations

## EDUCATION

**Polytechnic University of Turin, IT - Computer and Network Security Group, 2016 - 2020**

PhD in Computer and Control Engineering

**Polytechnic University of Turin, IT - Emphasis on Networking, 2013-2015**

M.S. in Computer Engineering, magna cum laude

## CERTIFICATIONS

**AWS Certified Security - Specialty**

Issued 12/23 - Expires 12/26

**Google Professional Cloud Security Engineer - Google Cloud**

Issued 08/23 - Expires 08/25

**Certified Kubernetes Security Specialist - Cloud Native Computing Foundation**

Issued 04/23 - Expires 04/25

**Certified Kubernetes Administrator - Cloud Native Computing Foundation**

Issued 10/22 - Expires 10/25