

Dario Cantella

Cloud Security and DevSecOps Consultant

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Professional Experience

Cloud Security and DevSecOps Consultant (*Excellium Services S.A.*) **Contern, Luxembourg** 11/2023 - present

- Developing the proof of concept and implementing a secrets management solution in production, evaluating options such as Akeyless and HashiCorp Vault for optimal security and efficiency.
- Designing and implementing Azure DevOps pipelines to integrate vulnerability scanning seamlessly into the development stage, significantly reducing time spent on full-fledged security audits.
- Using Terraform to provision and manage infrastructure resources in a cloud environment, automating the deployment of virtual machines, networks, and storage solutions.
- Implementing CI/CD pipelines in Azure DevOps to automate the deployment of applications to Kubernetes clusters, ensuring efficient and reliable delivery of software updates and releases.

Research assistant, (*Università degli studi di Napoli "Federico II"*) **Naples, Italy** 05/2023 - 11/2023

- Designed and implemented an approximation algorithm in Python that optimizes the allocation of resources (VCPU, Storage, Network) in an edge-cloud network. The resulting utilization of resources is 20% more efficient than previous methods and the solution is achieved 100% quicker than the optimal algorithm.
- Wrote Python functional tests using "unittest" framework to ensure correct results.

Education

MSc Mathematical Engineering *Università degli studi di Napoli "Federico II"* **Naples, Italy** 2020-2023

Master Thesis in Information Theory/Non-linear optimization: IoT-Cloud Networks, an approximation algorithm for the Service Chain Embedding problem

BSc Computer Engineering *Università degli studi di Napoli "Federico II"* **Naples, Italy** 2016-2020

Thesis in Real-Time Operating Systems: Virtualization Platforms and separation kernels for mixed criticality systems: XtratuM

Certifications

- HashiCorp Certified: Vault Associate (Mar 2024 - Mar 2026) [Link](#)
- Microsoft Certified: Azure Administrator Associate (AZ-104) (Sep 2023 - Sep 2025) [Link](#)
- Microsoft Certified: Azure Fundamentals (AZ-900) (Sep 2023) [Link](#)
- Cisco DevNet Associate Badge (Sep 2023) [Link](#)
- Certificate of Proficiency in English C2 (CPE) Credential ID: C2648021

Skills

- **DevOps Tools:** Azure DevOps, Kubernetes (AKS, VMWare Tanzu), HashiCorp Terraform and Vault, Ansible, Docker/Podman deployments, Azure Cloud
- **Programming Languages:** Python, Go, Bash
- **Frameworks:** Python Django, NetworkX for Linear and Nonlinear optimization on graphs, Go Echo

Languages

- **English** [Bilingual - C2]
- **French** [Basic] - Learning
- **Italian** [Native]