



GIULIA MARAVENTANO

CURRICULUM VITAE

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SKILLS & QUALIFICATIONS

CYBERSECURITY

VULNERABILITY ASSESSMENT
PENETRATION TEST
FIREWALLS
PROXIES
IDS/IPS
CRYPTOGRAPHY (DES, AES, MAC, Hashing)
Achieving ISO/IEC 27001 Certification

CLOUD TECHNOLOGY

DOCKER
KUBERNETES
TERRAFORM
ANSIBLE + JINJA2
JENKINS
GCP / AWS

PROGRAMMING LANGUAGES

PYTHON
BASH
JAVA
PHP
JAVASCRIPT
MYSQL

FOREIGN LANGUAGES

ITALIAN (MOTHER TONGUE)
ENGLISH (B1-B2)
SPANISH (B1-B2)

GENERAL SKILLS

LINUX
(Ubuntu/Debian/CentOS/Kali)
BLOCKCHAIN
(Hyperledger Fabric, Ethereum)
SMART CONTRACTS
DAPPS
TROUBLESHOOTING



WORK EXPERIENCES

System/DevOps Engineer

Expleo Italia SRL
PALERMO (PA)
09/2023 - Current

Main activities and responsibilities:

Design and management of systems for national and regional-level projects. Development of deployment processes and CI/CD pipelines using tools and technologies such as Jenkins, Docker, and Kubernetes. Daily troubleshooting and teamwork

DevOps internship

SEEDS SRL
PALERMO (PA)
11/2021 - 03/2022

Main activities and responsibilities:

Design, Provisioning and maintenance of a private Cloud system. Migration of the business application from monolithic architecture to microservices architecture. Configuring application related CD/CI processes.
Acquired skills and achieved objectives: Kubernetes, Docker, Jenkins, Blockchain.

System & Network Administrator

4UITALIA SRL
PALERMO (PA)
01/2015 - 04/2021

Main activities and responsibilities:

Corporate IT Infrastructure management.
Acquired skills and achieved objectives: Networking protocols (tcp, https, icmp, smtp, ftp), Switch, Router, Firewall, DNS, DHCP, Backup software (Bacula, Veeam), VM Hypervisor (VMWare, Proxmox), Nagios, PHP, MySQL, Bash.

IT Helpdesk

4USERVIZI SPA
PALERMO (PA)
02/2010 - 12/2014

Main activities and responsibilities:

IT Support and database management.
Acquired skills and achieved objectives: Networking protocols (tcp, https, icmp, smtp, ftp), switch, router, Firewall, DNS, DHCP, Nagios, PHP, MySQL, Bash.



ACADEMIC STUDIES

MASTER'S DEGREE

Università degli Studi di
PALERMO
2020 - 2023

Computer Science

LM-18 - 2nd level degree in Computer Science
Thesis title: "Blockchain and Smart Contracts for Li-ion batteries and raw materials traceability for Second Life applications"
Final degree mark: 110/110
Graduation date: 16/03/2023

BACHELOR'S DEGREE

Università degli Studi di
PALERMO
2002 - 2008

Mathematics

32 - Class of first level degree in Mathematics
Graduation date: 15/12/2008

ICT CERTIFICATES

Certified Ethical Hacking (v12)

ID: 82I2M6PQMB30

Coursera – LearnKartS
2024-12

Ethical Hacking Fundamentals
System and Network Security
Advanced Cybersecurity

Network Automation Engineering Fundamentals Specialization

ID: CBBTTC3CV856

Coursera – Cisco
2023-10

Introduction to Network Automation
Using APIs for Network Automation
Ansible for Network Automation
DevOps for Network Automation (NetDevOps)
Introducing Model-Driven Programmability

Terraform - La Certificazione - II Corso Completo

ID: UC-939d21ac-3342-4dc1-8837-5cfc27342b1c

Udemy
2023-09

Essential Google Cloud Infrastructure: Core Services

ID: SH2CHTW5PW4S

Coursera - Google
2023-05

Essential Google Cloud Infrastructure: Foundation

ID: 5SNNUZWMH55J

Coursera - Google
2023-04

Google Cloud Fundamentals: Core Infrastructure

ID: RSKFQKTA8W9Q

Coursera - Google
2023-04

Blockchain Specialization

ID: FQM5AKP992V7

Coursera Buffalo University
2022-12

Decentralized Applications (Dapps)
Smart Contracts
Blockchain Platforms

IT Fundamentals for Cybersecurity Specialization

ID: MX8GM9FH6PAD

Coursera – IBM
2022-11

Cybersecurity Roles, Processes & Operating System Security
Cybersecurity Compliance Framework & System Administration
Introduction to Cybersecurity Tools & Cyber Attacks
Network Security & Database Vulnerabilities

Cryptography I

ID: 8SHYAYG9A7MT

Coursera
Stanford University
2021-10

Machine Learning

ID: 5GX7AW3ZE5M3

Coursera
Stanford University
2020-01



4 Corsi

Introduction to Cybersecurity Tools & Cyberattacks

Operating Systems: Overview, Administration, and Security

Cybersecurity Compliance Framework, Standards & Regulations

Computer Networks and Network Security



3-nov-2022

Giulia Maraventano

ha completato con successo, la Specializzazione senza crediti

IT Fundamentals for Cybersecurity

This specialization provided the learner with knowledge of cybersecurity concepts, tools and processes; compliance frameworks; system administration, operating system and database vulnerabilities basics; types of cyber attacks; and basic networking. The learner also gained knowledge around important cybersecurity topics such as cryptography and digital forensics. The learner's knowledge was tested through multiple assessments throughout the courses within this specialization.



Rav Ahuja
Global Program
Director
IBM Skills Network



Dee Dee Collette



Dr. Manish Kumar
Subject Matter Expert
Cybersecurity

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verificate questo certificato a:
<https://coursera.org/verify/specialization/MX8GM9FH6PAD>



4 Corsi

Blockchain Basics

Smart Contracts

Decentralized Applications (dApps)

Blockchain Platforms



13-dic-2022

Giulia Maraventano

ha completato con successo, la Specializzazione senza crediti

Blockchain

Through this specialization, learners developed an understanding of foundational concepts that enable a blockchain protocol. The courses covered applying the concepts of encryption, hashing, consensus, transactions, blocks and private-public keys in building a blockchain. Learners designed, developed and tested smart contracts and decentralized applications on a private Ethereum blockchain. The discussions included the architecture of a decentralized application stack, best practices, emerging standards, and many open issues such as scalability and privacy. Learning concluded with a holistic view of the landscape, including decentralized application use cases and other blockchain platforms.



Bina Ramamurthy,
Teaching Professor of
the University at Buffalo
Computer Science and
Engineering
Department

Timothy Leff, Executive
Director of the
University at Buffalo
Center for Industrial
Effectiveness

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Verificate questo certificato a:
<https://coursera.org/verify/specialization/SC9F6A89920Z2>



5 Corsi

Introduction to Network Automation

Using APIs for Network Automation

Ansible for Network Automation

DevOps for Network Automation (NetDevOps)

Introducing Model-Driven Programmability



11-ott-2023

Giulia Maraventano

ha completato con successo, la Specializzazione senza crediti


Network Automation Engineering Fundamentals

This Specialization serves as a well-rounded survey of topics and core skills that a network automation engineer should know to effectively deploy and operate a NetDevOps environment.



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Verificate questo certificato a:
<https://coursera.org/verify/specialization/SC88TTC3CV856>




25-ott-2021

Giulia Maraventano

ha completato con esito

Cryptography I


un corso senza crediti autorizzato dalla Stanford University e offerto da Coursera



Dan Boneh
Professor of Computer Science
Stanford University

SOME ONLINE COURSES MAY DRAW ON MATERIAL FROM COURSES TAUGHT ON-CAMPUS BUT THEY ARE NOT EQUIVALENT TO ON-CAMPUS COURSES. THIS STATEMENT DOES NOT AFFIRM THAT THIS PARTICIPANT WAS ENROLLED AS A STUDENT AT STANFORD UNIVERSITY IN ANY WAY. IT DOES NOT CONFER A STANFORD UNIVERSITY GRADE, COURSE CREDIT OR DEGREE, AND IT DOES NOT VERIFY THE IDENTITY OF THE PARTICIPANT.

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/5SHYAKG3A7MT>
Coursera ha confermato l'identità dell'individuo e la sua partecipazione al corso.