Giuseppe Capasso

Email: capassog97@gmail.com
Cell: +39-3273699303

Education

University Federico II, Naples

Master degree in Computer Engineering   2023-now

Curriculum   Hybrid curriculum in cybersecurity, embedded systems and computer networks

Bachelor degree in Computer Engineering   2017-2022

Optional courses   Multimedia Systems, Artificial Intelligence and Real Time Operating Systems

Cisco Netacad

Cisco Devnet Deep understanding of DevOps technologies, cybersecurity and infrastractures

Cisco CCENT Basic understanding of Cisco IOS, Routing and Switching Essentials

Work experience

Gematica

Software engineer   2022-2023

- Design and implemented air quality monitoring platform working with LoRaWAN and MQTT infrastructures
- Managed internal Cisco networking infrastructure implementing WPA2/Enteriprise policies integrating Active Directory for employees and Packetfence for guest with a splash portal
- Design and implemented a solution to analyze passenger flow in a metropolitan environment using Cisco WLC and SNMP traps

Consorzio Clara

Mentor@Cisco Networking Academy   2021-now

- Design and delivery of interactive laboratories for students on DevOps and Cybersecurity chapters of the Devnet Certification;
- Support and mentoring during the challange and planning phases of the Bootcamp;
- Bridging companies/students during project works final phase;

Devops and cybersecurity workshops   2021-now

Summary   I held some presentations during networking and IoT courses on Cisco Netacad activities. Presentation were about showing a Webex bot, making a smart environment on Packet Tracer and simulating a reverse shell attack in a containerized enviornment.

Software developer   **2019-2020**

- Design and development of a Desktop application using .NET Framework to manage software licenses of company products;

- Design and development of a Mobile application using Xamarin for Zebra devices.

- Implemented Aruba protocol for digital sign on PDFs with a digital card using ASP.NET;

Personal projects

Wellness Nutrition ——

A web application for a gym. It allows users to book slot for a personal trainer and personal trainers to manage a calendar. It supports mail and in-app notifications. The app is developed in *next.js*. A demo version is available at this **link**.

- user: user@test.com:giuseppe;

- admin: admin@test.com:giuseppe

Technical skills

Programming C, C++, Go, Rust, C#, VHDL

Scripting Python, Javascript, Typscript, Lua, Bash, SQL

Tools Jupyter Notebook, Vivado, Matlab

Markup Latex, HTML, CSS

Networking Knowledge of MQTT, Modbus, SNMP, LoRaWAN protocols. Knowledge of AAA, Free Radius and NAC Packetfence, Cisco IOS/IOX

Devops Github, Gitlab CI/CD, Docker and Docker Swarm, basic knowledge of Kubernetes

Data analysis Basic statistical tools: PCA, clustering, linear regression, DoE