Pedro Rosário

EMERGING IT PROFESSIONAL

CONTACTS

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EDUCATION

HIGH SCHOOL DIPLOMA
Liceu Latino Coelho – Viseu, Lamego
Graduated: June 2025

SKILLS

- **Programming Languages:** Python, Powershell
- **Tools:** Docker, WSL, Nmap, Wazuh, Oracle Virtualbox, SSH & RDP
- **OS:** Windows 10/11, Ubuntu, Linux
- **Hardware & Software Troubleshooting:** Diagnosing application errors, system performance issues, installations, repairing corrupted system files, assisting users with technical problems of any kind.
- **Networking & Remote Access:** DHCP setup, internal network configuration, basic IP troubleshooting, remote system access using **SSH** and **RDP**
- **Virtualization & Labs:** VirtualBox, VM setup and configuration, isolated testing environments
- **Problem-Solving & Troubleshooting:** Skilled at diagnosing and resolving technical issues, identifying whether problems stem from software, hardware, or system configurations, and capable of researching solutions independently when answers aren't immediately clear.
- **User Support & Communication:** Experienced in explaining technical solutions clearly to non-technical users, often using analogies or real-world examples to make complex concepts easier to understand.
- **Adaptability & Learning:** Quick to learn new technologies and adapt to changing environments; capable of independently researching and mastering unfamiliar software, systems, or concepts when they are not straightforward.

REFERENCES

Available upon request

OBJECTIVE

Aspiring IT professional with 1-2 years of hands-on experience troubleshooting systems, supporting users, and managing virtual environments. Highly skilled at diagnosing issues across Windows and Linux platforms and implementing effective solutions for front and back-end problems. A self-motivated, disciplined learner interested in acquiring knowledge of new technologies, skills, and processes with specific interest in defensive security and a career as a SOC Analyst.

EXPERIENCE

Virtual Box Security Lab *December 2025*

- Designed and deployed a self-hosted virtual security lab using VirtualBox to simulate a small internal enterprise network in a controlled and isolated environment.
- Built a three-machine architecture consisting of an **attacker (Kali Linux)**, **victim (Windows)**, and **defender/overseer (Ubuntu Linux)** to safely practice offensive and defensive security concepts.
- Set up and validated **DHCP services** to automate IP address assignment across the internal subnet and enable seamless VM communication.
- Implemented a **dual-NIC network design (Internal Network + NAT)** to simulate real-world internal networking while maintaining isolation from the host and external networks; the NAT adapter provided temporary internet access for downloading tools and updates without exposing internal services.
- Verified network connectivity through **ICMP testing** and bidirectional communication between all virtual machines, ensuring proper segmentation and routing.

WAZUH SIEM Integration & Configuration *January 2026*

- Integrated and configured **Wazuh SIEM** to monitor, analyze, and respond to security events across a Windows endpoint and Linux manager VM.
- Configured the **Wazuh agent** to perform real-time File Integrity Monitoring (FIM), monitor custom Windows Registry keys, and adjust scanning intervals for timely detection.
- Modified **Wazuh Manager configurations** to implement active response policies and integrate **custom webhook-based alerts** for external notifications.
- Tested and validated detection capabilities by performing controlled activities:
- Registry modifications and file changes successfully triggered alerts.
- Webhook alerts were delivered to external systems and visualized in the Wazuh dashboard.