

MANUEL ROSARIO MARÍN FERNÁNDEZ

Cybersecurity Analyst

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PROFILE

Cybersecurity Analyst with **2+ years of experience** in **data analysis** and **automation** using **Python, JavaScript, SQL, and VBA**. Specialized in **anomaly detection, data validation, and QA** within critical **public sector** environments. Background in **Bioinformatics** focused on complex **pattern processing**. Currently expanding expertise in **Cloud Computing** to deploy scalable and resilient **security architectures**.

PROJECTS

Cyber Incident Response & Forensic Simulation

2025 Madrid, remote

<https://github.com/Adraed/cybersecurity-final-project>

- Conducted **forensic analysis** of a compromised **Linux server** using an automated script, analyzing system users, login history, and system logs.
- Detected and remediated **10 critical vulnerabilities** on a **LAMP server** (SSH, FTP, MariaDB, Apache/WordPress).
- Performed offensive **pentesting** with **Kali Linux, Nmap, and Nikto**, documenting findings with **CVSS scores** and identifying **10 high-risk vulnerabilities**.
- Hardened** critical **LAMP server configurations**, disabling insecure services and implementing **HTTP security headers**, reducing the overall attack surface.
- Developed **incident response** and **business continuity plans (BCP/DRP)** under **NIST SP 800-61** and **ISO 27001** frameworks.
- Technical documentation including forensic report, pentest report, BCP/DRP plan, and executive presentation.

Diagnostic Pattern Visualization Tool for Clinical Data

2023 Granada, remote

<https://github.com/Adraed/Melanoma-Data-Visualization-App>

- End-to-end **multi-omic data pipeline** (331 **TCGA-SKCM** patients) in Python and R, extracting association rules via **FP-Growth (mlxtend)**
- Designed and iterated the web application from an **R Shiny prototype** to a production **full-stack app** with a **FastAPI (Python)** backend and **HTML/JS frontend**, deployed on Render
- Built a real-time executable pipeline from the browser: data loading, configurable parameters, and automatic comparison of results against study clinical profiles (**BRAF, RAS, NF1, Triple WT**)
- Developed interactive visualizations: **force-directed network graph** and **scatter plot** with hover tooltips for association rule exploration

EXPERIENCE

Data Quality & Security Analyst

Tragsatec

2023 - Present Madrid, Spain

- Validated **data integrity** of large-scale datasets in **public administration** applications using **Oracle SQL** queries
- Detected and reported **anomalies** and errors in **front-end data flows** during **functional testing**
- Automated verification and **quality control** processes using **Python** and **VBA (Access/Excel)**, saving approximately **3 working days per month**
- Provided **QA support** in **production environments**, identifying unexpected behavior in critical applications and optimizing workflows

SKILLS

IT & Networking

LAN/WAN, WLAN, TCP/IP, DNS, DHCP, Packet Tracer, Linux, Kali Linux, Windows, Ubuntu

Monitoring & Detection

SIEM, Wazuh, EDR, Wireshark, UFW

Pentesting & Auditing

Metasploit, Nmap, Nessus, OWASP Top 10

Compliance & Version Control

ISO 27001, NIST, GDPR, ENS, GitHub, Git

Programming

Python, R, JavaScript, SQL, bash, Visual Basic, scikitlearn, Keras, pandas, NumPy, seaborn, PowerShell

EDUCATION

Cybersecurity Analyst Specialization

4Geeks Academy España

2025 - 2026 Madrid, remote

Master's in Bioinformatics and Biostatistics

Universitat Oberta de Catalunya

2021 - 2022 Granada, remote

Bachelor's Degree in Biology

Universidad de Granada

2017 - 2021 Granada, España

LANGUAGES

English Native(C2)

Spanish Native

French Advanced(B2)