



Alex Sanchez Blabia

Junior Systems & Network Administrator

alexsanchezblabia@gmail.com · +34 608 840 086 · Barcelona, Spain · linkedin.com/in/alex-sanchez-blabia · github.com/Caballosanex · asanchezbl.dev

Junior Systems and Network Administrator with 2+ years of hands-on experience in IT support, systems maintenance, and network administration. Skilled in Linux, cloud infrastructure (AWS), Docker, and cybersecurity. Active open-source contributor with experience in hackathon-level full-stack development. ASIX graduate from iTIC Barcelona.

PROFESSIONAL EXPERIENCE

Network Infrastructure Consultant

2025

[Ismael Prego \(Tech Content Creator\)](#) | Remote

- Designed a complete 10GbE network and NAS infrastructure for a professional video production studio handling 3-4 TB/month of 4K footage
- Evaluated and compared rack-mounted NAS solutions (Synology RS422+ vs RS2423RP+) and network switching equipment (Ubiquiti UniFi)
- Performed bandwidth analysis demonstrating Ethernet 10GbE sufficiency over fiber optic, saving the client significant cost
- Delivered comprehensive proposal including RAID6 configuration, UPS protection, static IP planning, and budget (4,700 - 7,300 EUR)

Help Desk Technician N1

Nov 2022 - Aug 2024

[Fractalia Systems](#) | L'Hospitalet de Llobregat

- Managed call center with 10 phone lines, handling ~200 weekly calls from Telefonica and CaixaBank suppliers
- Resolved system incidents and mobile network issues as N1 technician
- Authored over 50% of service reports for the department

IT Intern

Mar 2022 - Jun 2022

[Red Computer Barcelona](#) | Barcelona

- Systems maintenance for SMEs with budgets between 2,000 - 4,000 EUR
- User and shared resource administration for individuals and SMEs
- Help desk support (local and remote), assembling ~5 computers per day

EDUCATION

Higher Certificate in Systems and Network Administration (ASIX)

Sep 2024 - May 2026

[Institut TIC de Barcelona](#) | Barcelona

Software Development Program

Jun 2022 - Aug 2024

[42 Barcelona](#) | Barcelona

Advanced C/C++ programming, system programming, network services, database management

VET in Microcomputer Systems and Networks (SMX)

Aug 2020 - Jun 2022

[Institut Mare de Deu de la Merce](#) | Barcelona

Final project: Centralized virtualization service using IsardVDI

TECHNICAL SKILLS

Systems:	Linux (Ubuntu, Debian), Windows Server, Proxmox, VMware
Networking:	TCP/IP, DNS, DHCP, VPN, VLAN, Cisco IOS, 10GbE, LAN/WAN
Cloud/IaC:	AWS (EC2, VPC, S3, Route53, IAM), Terraform, Ansible
Containers:	Docker, Docker Compose
Security:	fail2ban, UFW/iptables, Certbot/SSL, Penetration Testing
Development:	Python, C, C++, Bash, FastAPI, React, Flutter, Git
Monitoring:	Prometheus, Grafana, Node Exporter
Other:	Nginx, PostgreSQL, SQLite, Office 365, Self-hosting

CERTIFICATIONS

AWS Academy Cloud Foundations - Amazon Web Services	2025
CCNA: Introduction to Networks - Cisco	Feb 2025
Networking Basics - Cisco	Oct 2023
Introduction to Cybersecurity - Cisco	Aug 2023
Cybersecurity Bootcamp - 42 Barcelona / Fundacion Telefonica	May 2023
B2 First (FCE) - University of Cambridge	Jul 2020

LANGUAGES

Catalan: Native · **Spanish:** Native · **English:** Full Professional Proficiency (B2 Cambridge) · **French:** Basic

KEY ACHIEVEMENTS

- AWS GameDay 2025 - National runner-up (Team AMEP, iTIC Barcelona)
- Talent Arena Hackathon 2025 - Built SERP emergency management system
- Talent Arena Hackathon 2026 - Built CatLink EV charger AI agent
- Active open-source contributor: WeatherMaster (Flutter), mfkey/Flipper Zero (70x performance optimization in C)