



KEY FIGURES

5+ years in healthcare tech
60+ hospitals deployed
40+ end-to-end projects
100+ professionals trained

SKILLS

Integration & interoperability

- HL7 v2 (ADT, ORM, ORU)
- XML configuration, HIS integration
- Microsoft SQL Server / SQL
- OPC UA

Medical imaging

- DICOM: DCMTK, C-ECHO, C-STORE
- DicomBrowser, Weasis

Systems & networking

- Windows Server, Windows
- Linux (Ubuntu, Kali), Bash
- TCP/IP, VPN, DNS, DHCP, VLAN
- Active Directory, Azure AD

Development & containers

- Python, Java, JavaScript, JSON
- Docker, Docker Compose
- VMware, VirtualBox, UTM

Delivery

- Requirements gathering
- Go-live and user training
- Remote and on-site support

LANGUAGES

Spanish: native

English: C1, fluent · full high school in Canada (3 years) and technical training in London

Spanish Sign Language: B1

Santiago Ruiz Cajilema

Implementation & Integration Consultant | HL7 | Healthcare IT

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PROFILE

5+ years in hospital technology, the last 3 focused on **clinical software implementation and integration**. Trained by the vendor in London, I deployed the **Sentinel (Spacelabs)** cardiology information system in **60+ hospitals** across Spain, owning **40+ projects** end to end: requirements, configuration, **HL7 integration with the HIS**, testing, go-live and user training.

Used to working remotely and on site with hospital IT, the vendor and clinical staff; I supervised a junior technician and supported the sales team in pre-sales. Currently expanding my skill set with **Linux, Bash, Docker, DICOM** and **AI agents with n8n**.
Fluent English (C1): high school in Canada and technical training in London.

PROFESSIONAL EXPERIENCE

INYCOM

Aug 2019 – Sep 2024

Instrumentación y Componentes S.A. · Zaragoza, Spain · Hospital projects nationwide

Cardiology Software Specialist · Implementation & Integration

2021 – 2024

Sentinel cardiology information system (Spacelabs Healthcare)

- Trained by the vendor in **London** to deliver implementation and support services across Spain.
- Deployed Sentinel in **60+ hospitals** and owned **40+ projects** end to end: analysis, configuration, testing, go-live and customer sign-off.
- HL7 v2 integration with the hospital HIS:** adapted **ADT, ORM and ORU** messages through **XML** configuration files.
- Gathered requirements with clinical departments and IT, and designed the solution for each site.
- Configured the application on large hospital infrastructures and networks (Windows Server, SQL Server, TCP/IP, VPN) and customised the interface and reports for each hospital.
- Diagnosed and resolved software, communication and connectivity issues, remotely and on site.
- Trained **100+ clinical and technical staff**; coordinated with hospital IT, the vendor and key users.
- Supervised a junior technician** (training, task allocation and follow-up; escalation point for his work) and mentored an **intern**, later hired by the company.
- Pre-sales support:** built the price list for technical services and briefed the sales team on the technology.

Stack: HL7 v2 · XML · HIS · Sentinel · Windows Server · SQL Server · TCP/IP · VPN · JavaScript · OPC UA

Biomedical Equipment Technician

2019 – 2021

- Installed, commissioned and maintained medical equipment in hospitals; fault diagnosis and technical documentation.

ARALUX — Industrial Maintenance Technician

Oct 2018 – Feb 2019

Zaragoza, Spain

- Maintained automated installations (KUKA and ABB robots, Siemens S7-1200 PLC, TIA Portal) and diagnosed faults together with production.

CERTIFICATIONS

Cisco CCST Networking

Cisco · 2025

Cisco CCST Cybersecurity

Cisco · 2025

IT Specialist – Cybersecurity

Certiport / Pearson VUE · 2025

Network Security Support Technician

Certiport / Pearson VUE · 2025

Cisco Networking Academy

Junior Cybersecurity Analyst Career Path ·

Cyber Threat Management · 2025

Verify on Credly: credly.com/users/santy-r

ADDITIONAL TRAINING

Advanced Python Programming

Official Python Institute course · 150 h ·

2026

Applied Machine Learning with Python

150 h · 2026

Web Applications with Java EE 7

Java, Java EE 7, Scrum · 160 h · 2019

Cybersecurity in Logistics & Transport

Networks, VLAN, VPN, firewalls · 150 h ·

2025

TCP/IP Networking · Azure AD

OpenWebinars · 2022

CURRENTLY LEARNING

AI agents & automation

MKT Hackers · 2026 · n8n, AI APIs, Airtable,

WhatsApp/Telegram

REFERENCES

Letter of recommendation

Director of Operations, Service (INCOM) ·

available on request

TECHNICAL LABS & PROJECTS

DICOM / PACS lab on Linux

2026

Personal project

- Simulated PACS environment on Ubuntu with **DCMTK**: receiving node (SCP) with its own AE Title and port, **C-ECHO** verification and **C-STORE** transfers from storescu and DicomBrowser.
- Created test .dcm files, inspected headers and edited patient tags from the command line.
- Troubleshooting of deliberately broken scenarios: wrong port, stopped service, broken permissions.

Linux, Bash & Docker lab

2026

Personal project

- **Bash** scripts written from scratch: argument parsing, reading **JSON** configuration, checking ports and services.
- Deployed services with **Docker / Docker Compose** and fixed port-mapping errors (docker ps, logs, exec).

Final Project – OT Cybersecurity & High Availability

2026

CIFP Politécnico de Lugo

- Secure industrial network with **Siemens SCALANCE** following **ISA/IEC 62443**: zones and conduits, IDMZ, VPN with SINEMA Remote Connect and X.509 certificates, and high availability (HRP/MRP ring < 200 ms, VRRPv3).

EDUCATION

Specialisation in Operational Technology (OT) Cybersecurity

2025 – 2026

CIFP Politécnico de Lugo · Official Spanish qualification · Advanced vocational programme (post-Higher VET) · 720 h · Secure industrial networks, forensics, integrated security

Higher Technician Diploma in Industrial Automation & Robotics

2016 – 2018

CPIFP La Salle Santo Ángel, Zaragoza · 2-year Higher VET programme

Alberta High School Diploma

2013 – 2015

Ross Sheppard High School, Edmonton, Canada · Taught in English