1   Personal Data

- Josep Sanz Campderrós.

- Born in Barcelona on December 7, 1976.

- Nationality: Spain.

- Marital status: Married.

- EMail: josep.sanz@saltos.org

- Web: www.josepsanz.net & www.saltos.org

- Github: https://github.com/josepsanzcamp

- Sourceforge: https://sourceforge.net/u/josepsanzcamp/profile

- Linkedin: https://www.linkedin.com/in/josepsanz/

- Mastodon: https://mastodont.cat/@josepsanzcamp

- Facebook: https://www.facebook.com/josep.sanz.56

- ~~Twitter:~~ ~~https://twitter.com/josepsanzcamp~~

2   Academic achievements

- Computer Engineer (UPC).

- Degree of Computer Applications Development.

- Technician in Telecommunications Electronics.

3   Other trainings

- AutoCAD basic course

- Driving license B1

- Seminar on computer network security

- Distributed Java Programming with CORBA

- ALTERA's FPGA Seminar

- Seminar Echelon - LonWorks

- Law enforcement Seminar on Data Protection.

4   Brief resume

- I performed R+D throughout my career.

- In my business project, Wide Spectrum Software Solutions, I directed the SaltOS and RhinOS projects and their release under the GPL-3.0 license.

- I've been a member of the CatPL, Association of Free Software Business of Catalonia.

- I have worked in research environments such as the Institute of Space Studies of Catalonia and the Technical University of Catalonia at Dept. of Applied Physics.

5   Professional experience

5.1   AB Custom Group - Road or rail transportation (since 2019)

Developments for GNU/Linux environments and integration of SaltOS in all business areas:

- Documentation recognition systems using OCR, bar codes and QR codes.
- Integration of SaltOS in all the business areas of the company.
- Automation of processes using embedded systems based on Raspberry PI

5.2   Institute of Space Studies of Catalonia (2011-2019)

Developments for GNU/Linux environments to control robotic telescopes:

- Development of OpenROCS 2.0 (GPL-3.0 license), the control software used by the TJO and SQT telescopes.
- Development of the www.oadm.cat for the divulgation of the TJO telescope, the www.ice.csic.es for the ICE and the www.ieec.cat for the IEEC.
- Development of the MUR application: an online software for sending astronomical proposals.
- Fork of the IndiCCD project to allow the control of multiple Andor cameras.
- User interface and control system for the SQT telescope, the Allsky camera and the IEEC-CSIC telescope.

5.3   Wide Spectrum Software Solutions (2007-2011 in R+D Dept.)

Developments for GNU/Linux, MONO, Firmware, PDAs and web environments:

- Development of the SaltOS and RhinOS projects released under the GPL-3.0 license.
- Project for the NTE/ESA to do some parts of the unit-test of the LISA Pathfinder project.
- Project for the IEEC to make improvements in the GOLD-RTR project (v2 and v3).
- Multiple web projects (portals and online shops) to different customers.

5.4   Enfasystem (2006-2007 in R+D Dept.)

Developments for WEB using LAMP environments (Linux+Apache+MySQL+PHP):

- Improvement of the "admin" control panel (RhinOS in the future)
- Development of the "mecano" project (RhinOS in the future)
- Development of the DBMailer project (RhinOS in the future)
- Several collaborations with IEEC for the PARIS and GOLD-RTR projects

5.5 Information Engineering, IN2 (2005-2006 as team's chief)

Software development for GNU/Linux and Windows CE.

- Use of security tools like Snort.
- Programming of mobile devices using EVC++ 3.0 for PDA devices
- Programming in C, PHP, .NET
- Use of DBMS such as MySQL, ORACLE

5.6 Institute of Space Studies of Catalonia (2001-2005)

Development of software for UNIX environments.

- Design and implementation of hardware and drivers.
- Planning and implementation of software for various projects.
- Programming in C with GTK, Tcl/Tk on Unix tcsh.

5.7 Universitat Politècnica de Catalunya, Dept. of Applied Physics (1999-2001)

Administration of Unix Systems and Microsoft Windows

- Implementation of network security systems (SSL)
- Security audits for the computer systems of the department
- Software development and maintenance of the department's intranet
- Software development for the Generalitat de Catalunya (SIGMA and NivAval)
- Collaborations with the WAFAE association.
- Support to users, and so on.

5.8 INCOSE, ingeniería de contrataciones y servicios (1997-1999)

Installation and maintenance of industrial equipment.

- Programming of PLC's for industrial applications.
- Installation of electrical boards and waste treatment systems.

5.9 GESTHOS, gestión técnica hospitalaria (1996-1997)

Assembly and maintenance of electromedical equipment.

- Repair of medical equipment.
- Specification and implementation of equipment for technical tests.