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- french,native tongue
- English, moderate

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## Abstract

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Senior software developer. From PLC controllers to data providers, through user interfaces and report generators, masters skills such as programming languages, libraries and platforms.

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## Work experience

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2011 - now

**Software designer, G2Metric, Control and analysis measurements tools** Toulouse

WSP ★★★★★  
 C/C++ ★★★★★  
 QT ★★★★★  
 Win32 ★★★  
 L<sup>A</sup>T<sub>E</sub>X ★★★  
 lua ★★

Designing measurement systems, from libraries (C/C++), graphical interfaces(WSP/QT), scripting (lua/tcl), to data provider.

- Wrote OPC client and server services, mainly for the company's **Pilot3D** software.
- Wrote devices drivers, camera and lighting controllers, for the company's image processing software **Lynx**.

2009 - 2011

**Consultant, Areva, A350 pre-assembly jigs and tools**

Toulouse

WSP ★★★★★  
 OPC ★★★★★

Provide advisory service to help companies to build an harmonized solution for the pre-assembly jig and tools project.

- Analyse client's needs, avoid technical issues, provide integrated solution for each plants located at *Nordenham, Hamburg* and *StNazaire*.
- Design mock-up and interfaces on top of *Wonderware system platform*.

2006-2009

**Software designer, GOSS international, press systems**

Nantes

C ★★★★★  
 Codesys ★★★★★  
 TCP,UDP/IP ★★★★★  
 PID ★★★

Design, configure and maintain automation systems for printing machines, programming on top of multiples ports of Codesys and axis controllers.

- Wrote a driver to improve communications between a bunch of controllers and HMI systems(*Arcnet, IP, bus*).
- Commissioning around the world.

2002-2006

**Field Technician, Keops-Automation, system integration**

Nantes

C/C++ ★★★★★  
 PL7-2/3/Pro ★★★★★  
 Omron ★★★★★  
 Panorama ★★★  
 Oracle ★★★  
 CVI ★★★  
 MFC ★★★

*Arcante (2002-2003)*

Design and intergration of automated systems (PLCs, HMIs, databases and reporting solutions).

- Development of communication drivers via Ethernet and serial RS232 cards, reporting and alarms tools, command line interpreters and multiple libraries (*Modbus,TCP,DDE*).
- Build IP camera network and recording server *CAMTRACE for FreeBSD*.
- Build one game and its cabinet (*SDL*).

1999-2002

**Field Technician, Snef Redon Dalmon,**

Rambouillet

Intouch ★★★★★  
 PL7-3 ★★★★★  
 VBA ★★★

Development of automated systems from conception to implementation at the field level. Experience with several PLC and HMI solutions.

1994-1999

**Electro/Mechanical Maintenance Technician, Lyonnaise des eaux,**

Dreux

PL7-2/3 ★★★  
 Electromécanique ★★★  
 Topkapi ★★★  
 WIT ★★★

Multi skilled maintenance engineer.Repair and maintain all production machinery and equipment in water treatment plants.PLC program set up and maintenance.

## Education

- Brest, 1992: Associate Degree in electric engineering.
- Guingamp, 1990: C- High School Diploma.

## Skills

- Writing an publishing documents in french or/and English
- computing:

	level		projects
languages	★★★★	C .....	>20
	★★★★	C++ .....	>50
	★★★★	Visual Basic and VBA .....	>20
	★★★★	PLC programming LD/FBD/ST/Grafcet .....	>50
	★★★	ℒ <sub>T</sub> E <sub>X</sub> .....	
	★★	Assembly 68HC11, 68000, Z80 .....	≈10
libraries	★★★	C-Shell bash lua python .....	
	★★★★	QT .....	>20
	★★★	Boost .....	>30
	★★★	API Win32 .....	>20
	★★★★	Dot Net .....	§WSP
	★★	MFC .....	≈10
System	★★	SDL .....	1
	★★★★	Microsoft Windows (XP to 7) .....	> 50
	★★★★	FreeBSD(4 to10) .....	> 10
	★★	Linux(debian, gentoo) .....	10
IDE	★★★★	Microsoft Visual studio (6 to 12) .....	
	★★★★	LabWindows .....	
PLC (IDE)	★★	vim .....	
	★★★★	Schneider Télémécanique (PL72 to PL7 pro) .....	>20
	★★★★	Omron (SysWin/CX-Programmer) .....	≈10
HMI	★★★★	Intouch .....	>20
	★★★★	Wondeware system platform(3.1 à 3.6) .....	>20
	★★★★	Vijeo Citect 7.x .....	5

## Misc

- Driver licence (1990)
- Following the *FreeBSD* project since branch 4
- Writer for the website *diablotins.org* until 2011; a wiki that hosted tips and howto's for *FreeBSD* users
- Maintain and install server ( Web, Cloud, sftp, static pages) on top of *FreeBSD* or *Debian-Linux*.
- this document was released with the help of ℒ<sub>T</sub>E<sub>X</sub>