---------------------------------------------------------------------------2018/11 - until now: Freelance  
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**- Open Source project: Website pro (whole time)**[Full-Stack developer]  
[Web development]  
[ ENVIRONMENT: Windows 10, Linus Debian 9, JetBrains (IntelliJIDEA, PhpStorm, PyCharm, Datagrid), React, Angular, Spring, Django, Microservices, Apache2, WAMP Server, Tomcat, MySQL, MariaDB, Jira, Jenkins, Github ],

[ KEYPOINTS: Java, Javascript, Php, Python, SQL ],

[ METHODOLOGY: AGILE software development, continuous integration,Extreme programming ]

---------------------------------------------------------------------------2015/10 - 2018/10: HENSOLDT GMBH Ottobrunn (former Airbus Defence)  
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**- Products / team: IFF (until the end)**[Software engineer / Full-Stack developer]  
[IFF interrogators, transponders and related tools]  
[ ENVIRONMENT: Windows 7, Linux Debian 9, IoT, Eclipse, Swing, Ant, CUnit, JUnit, React / Node, jQuery, AJAX, XML, JSON, Microservices, GNU Autotools, Docker, JIRA, Jenkins, DOORS, SVN, ADS-B (aircraft tracking data) & various com links, [UDP/TCP IP,RS-XXX,CAN bus], ADS-B, REST API for Network Controller, Embedded computer for military applications ],

[ KEYPOINTS: C, C++, Java, Javascript, Php, Asm x86 ],

[ METHODOLOGY: AGILE software development, continuous integration ]

---------------------------------------------------------------------------2000/06 - 2015/09: Airbus Defence (former Cassidian / EADS Defence & Security)

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**- Products / team: IFF (until the end)**[Software engineer]  
[IFF interrogators, transponders and related tools]  
[ ENVIRONMENT: Windows 7, Eclipse, Swing, Ant, JUnit, JIRA, SVN, DOORS, ADS-B (aircraft tracking data) & various com links, [UDP/TCP IP,RS-XXX], ADS-B, Embedded computer for military applications ]

[ KEYPOINTS: C, Java, Javascript, Angular, AJAX, JSON, XML, Asm x86, Asm ARM STR7 ],

[ METHODOLOGY: AGILE software development ]

**- Project: CLA2000 (1 year + 3 months)**[Software engineer]  
[Military air control in SCCOA program]  
[ ENVIRONMENT: Linux, Eclipse, Hibernate, Ant, POJO, DOORS ],

[ KEYPOINTS: Java, XML ],

[ METHODOLOGY: company internal process (~V cycle) ]

**- Project: LMT / GCTAM (2 years + 4 months)**[Software engineer]  
[Supply flow handling in a military system]  
[Pure Java rich client based on a multithreaded 3 tier architecture]  
[ ENVIRONMENT: Windows 7, Eclipse, Swing, Java Beans, Ant ],

[ KEYPOINTS: Java ],

[ METHODOLOGY: Company internal process (~V cycle) ]

**- Project: MOIE Sic Terre (2 years + 7 months)**[Software architect / Team leader (~6 developers)]  
[Message handling in a military weapon system communication infrastructure, Huge team ~100 people (70 SW developers)]  
[ ENVIRONMENT: Windows XP, Entreprise Architect, Eclipse, Swt, OSGI, J2EE, EJB, POJO, JAXB, Spring, SVN ],

[ KEYPOINTS: Java, Python, Ant, XML, XSLT ],

[ METHODOLOGY: MDA Approach, Design Patterns ]

**- Project: Euromale (7 months)**[Software architect / Team leader (~3 developers)]  
[Drone video data real-time acquisition and handling, Multithreaded 3 tier architecture, Extensive use of design patterns: Creational, Structural, Behavioral, Concurrency]  
[ ENVIRONMENT: Windows XP, Eclipse, Web Services, BEA WebLogic, PostgreSQL, SVN ],

[ KEYPOINTS: Java, C++, .NET (C# / J#), SQL ],

[ METHODOLOGY: MDA Approach, Design Patterns ]

**- Project: Helios 2 (4 years + 5 months)**[Software architect / Team leader (~6 developers) ]  
[Geographic information with image management (2D & 3D) for mission preparation and intelligence, Heavily multithreaded 3 tier architecture (specific Parallel handling layer / error management layer), Specific deployment platform (initially based on DOS/batch tools, then Emac/lisp tools))]  
[ ENVIRONMENT: Windows NT, Unix/CDE, Microsoft MFC, CORBA, ActiveX components, ORACLE DB, Rational suite (ClearCase), Bounds Checker ],

[ KEYPOINTS: C++, SQL ],

[ METHODOLOGY: Rational Unified Process, Design Patterns ]

**- Trainer in ALTEN Learning School (~15 attendees)**[Sessions about coding and unit testing best practises (~3 hours) ]  
---------------------------------------------------------------------------1999/10 - 2000/05: THALES group (former ALCATEL CGA Transport)  
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**- Project: Wayfarer (7 month)**[Software architect / Team leader (~4 developers)]  
[Real time embedded software inside bus ticketing console, Virtual machine for 386EX microcontroller emulation]  
[ ENVIRONMENT: Windows NT, Visual Studio, Microsoft MFC, Wayfarer BUS Ticketing Machine, 386EX microcontroller ],

[ KEYPOINTS: C, C++, Asm x86 ],

[ METHODOLOGY: V-Model, static & dynamic modeling (UML Diagrams) ],

**- Project: GART (1 month)**[Software developer]  
[Contactless smartcard demonstration application]  
[ ENVIRONMENT: Windows NT, Visual Studio, Microsoft MFC, Serial RS-232 communication, Contactless smartcard antenna ],

[ KEYPOINTS: C++ ]

---------------------------------------------------------------------------1998/07 - 1999/09; ZODIAC (former INTERTECHNIQUE IN-SNEC)  
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**- Project: EUMETSAT (1 year + 3 months)**[Software developer]  
[Regulation and transmission for Meteosat 2nd generationsatellite, Heavily multithreaded data flow handling, Real time data treatment, Data encoding (Reed-Solomon, Pseudo-Randomization, Convolutional)]  
[ ENVIRONMENT: Windows NT, Microsoft MFC, Windows DDK, DSP 56301, OOP, Design Patterns ],

[ KEYPOINTS: C++, C, Asm DSP 56301 ],

[ METHODOLOGY: V-Model, static & dynamic modeling (UML Diagrams) ],

---------------------------------------------------------------------------1996/01 - 1998/06: ATELIER (Groupe Ka)

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**- Project: EDU (9 months)**[Software developer]  
[Essential Disk Utilities: VFAT disk tools for Psion organizer (series 3 & 5): Defragmentation / Scandisk / Smart Format / Disk Editor]  
[ ENVIRONMENT: Windows NT, Psion EPOC(16/32), OOP ],

[ KEYPOINTS:C, C++ ],

[ METHODOLOGY: Static model, Booch diagrams ]

**- Project: PsiTools (1 year)**[Software developer]  
[Save and restore utilities for Psion organizer (series 3 & 5)]  
[ ENVIRONMENT: Mac OS (6/7), Psion EPOC(16/32), Visual C++, Metrowerks CodeWarrior, OOP, Design Patterns ],

[ KEYPOINTS: C, C++ ]

**- Project: Velvet (9 months)**[Software developer]  
[Faxing (classe 1 & 2) software, Device to device file transferts (X, Y and Z modem), Asynchronous parts under interrupt (no real multitasking available)]  
[ ENVIRONMENT: Mac OS (6/7) ],

[ KEYPOINTS: C, C++ ]

---------------------------------------------------------------------------1992/04 - 1995/12: 4D - France & USA (former ACI)

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**- Product: 4th Dimension (1 year, with 6 month in USA)**[Software developer]  
[Tools for 4th dimension (RDBMS IDE)]  
[Platform Independant Extension Kit: tools and API for writing 4D plugins, 4D plugins. For example : smartcard handling, 4D Server connection API: samples & tests applications for writing 4D native clients]  
[ ENVIRONMENT: Windows (3.11/WG/NT), Mac OS (6/7), MPW, Think C, Think Pascal, STL, MacAPP, OOP, MacsBug ],

[ KEYPOINTS: C, C++, Pascal, Object Pascal, Asm 68K, Asm x86 ]

**- Products: 4th Dimension / Object Master (2 years + 8 month)**[IT Technician / Software developer]  
[4th dimension (RDBMS IDE) hotline, Object Master (C/C++/Pascal/Modula2 IDE) hotline, Development problems handling, Samples and tools writing]  
[ ENVIRONMENT: Windows (3.11/WG/NT), Mac OS (6/7), MPW, MacsBug ],

[ KEYPOINTS: 4th Dimension, C, C++, Pascal, Modula2 ]

---------------------------------------------------------------------------1986/10 - 1992/03: Centre d’Essai des Propulseurs de Saclay (DGA), GEET, LTC...  
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**- General: (5 years + 5 month)**[Software developer]  
[Database development. EDM.]  
[ENVIRONMENT: Dbase2, MS-DOS, Mac OS (6)],

[KEYPOINTS: 4th Dimension, DOS cmds]