

# Antonio Ferraro

Software Developer / IT Professional



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## → PERSONAL PROFILE

- Independent, experienced, committed IT professional.
- Eager to learn new tools and new technologies.
- Positive, adaptable, respectful and team-minded.

## → PROFESSIONAL EXPERIENCE

07/2019 - Visé - (B)	<ul style="list-style-type: none"><li>• Founder and CTO of SaF IT Services (SaFITS).</li></ul>
02/2020 - Current 08/2020 11/2020	<ul style="list-style-type: none"><li>◦ Software development for various SaFITS customers in the military sector</li><li>◦ Role: Developer and Analyst</li><li>◦ Technologies:<ul style="list-style-type: none"><li>▪ Python: Python/Pycharm, Git/Github, PyQt/PySide2 toolkits, Flask/Flask-Socketio, REST microservices / Postman / RESTer.</li><li>▪ Java: Java 1.8 and 1.11 / IntelliJ and Eclipse, SpringBoot, Websockets / STOMP.</li><li>▪ Frontend: HTML/CSS/JS – Bootstrap, JQuery, Stomp</li></ul></li></ul>
01/12/2020 - 31/01/2021 For VLIZ - Ostende - (B)	<ul style="list-style-type: none"><li>◦ Role: Sole Developer</li><li>◦ Task: Implementation of a Quality Control system on a Marine Biodiversity database (EUROBIS-QC)</li><li>◦ Technologies: Python/Pycharm, REST API calls, MS SQL, SQLITE, Dbeaver, multiprocessing, Git/Github</li><li>◦ Link: <a href="https://github.com/lifewatch/eurobis-qc">https://github.com/lifewatch/eurobis-qc</a></li></ul>
10/2019 - 01/2020 For NCIA/SSSB - various locations	<ul style="list-style-type: none"><li>◦ Role: External Consultant for the NATO NCIA/SSSB Section. Software Documentation, Project Support, Testing and Training.</li><li>◦ Technologies: Java/Eclipse, MS Sharepoint, MS Visio</li></ul>
07/2019 - 12/2019 For Lampiris - Liege (B)	<ul style="list-style-type: none"><li>◦ Role: Java Analyst Programmer for Lampiris in the “Finance” tribe.</li><li>◦ Tasks: Implementation and verification of new invoicing algorithms for calculation of gas and electricity amounts in accordance with the European laws. Implementation of a prototype application for invoicing “new services” offered by Lampiris on the Belgian market.</li><li>◦ Technologies: Java/IntelliJ Idea, Spring/Hibernate, microservices, Gitlab, JIRA/Confluence, Postgresql, MS SQL, Postman.</li></ul>

<p>06/2007 – 06/2019 NATO NCIA/SSSB - NPC Glons(B)</p>	<ul style="list-style-type: none"> <li>• Role: Deputy Chief of a Section of 11 employees, Software and System Analyst. Successfully led: <ul style="list-style-type: none"> <li>◦ Software release cycles and one-shot software projects</li> <li>◦ Multidisciplinary integration / modernization / upgrade projects of communication and control sites, including all project phases from inception to technical drawings, lab evaluations, software and hardware development, procurement, assembly, lab testing, deployment, verification and training.</li> <li>◦ Organization and coordination of Tactical Data Link test efforts.</li> <li>◦ Redaction of technical specifications and bid documentation for new products (SSSB ALAM).</li> </ul> </li> <li>• Also responsible for requirement collection and analysis, customer relations, travel to customers' sites, project lead.</li> <li>• Technologies: Java/Eclipse, C, MS Sharepoint, MS Visio, laboratory assets</li> <li>• Achievements: NSPA Medal Dec/2012</li> </ul>
<p>07/2003 – 06/2007 NATO NSPA/SSSB - NPC Glons (B)</p>	<ul style="list-style-type: none"> <li>• Role: Section Chief DHDS Cell. Project Manager and Senior Analyst Programmer. Successfully led SW transition phase from vendor delivery to Operations and full Software (and System) Maintenance.</li> <li>• Technologies: C/Source Navigator, Perl, Unix scripting, SQL.</li> </ul>
<p>05/2000 – 06/2003 NATO NSPA/SSSB - NPC Glons (B)</p>	<ul style="list-style-type: none"> <li>• Role: Analyst Programmer, C.</li> <li>• Tasks: Software maintenance</li> <li>• Technologies: C/Source Navigator, Perl, Unix scripting, SQL.</li> </ul>
<p>11/1995 – 05/2000 NATO STO/CMRE - La Spezia - (I)</p>	<ul style="list-style-type: none"> <li>• Role: Software Developer within the Operational Research Department</li> <li>• Responsible for the successful development of EMiR - The Electronic Minefield Referee - as the sole developer</li> <li>• Technologies: Object Pascal/Delphi, C, CVS. Linear optimization libraries</li> <li>• Achievements: Promotion in 1996 for the work on EMiR.</li> </ul>
<p>02/1994 – 11/1995 Iris Technologies – Milan, (I)</p>	<ul style="list-style-type: none"> <li>• Role: Consultant / Developer. Responsible for the Client-Server development area. Sole developer on projects for customers: <ul style="list-style-type: none"> <li>◦ Laboratoires Boiron (Accountancy data aggregation and drill down)</li> <li>◦ JP Morgan Bank (Backup offline application for principal system)</li> <li>◦ Mercur Assistance (Now part of Allianz Global Assistance) – Full Call Centre management application</li> </ul> </li> <li>• Technologies: VB / VBA / Powerbuilder / MS SQL Server / Sybase.</li> <li>• Achievements: Top two Iris employees 1994</li> </ul>
<p>02/1992 – 02/1994 Microsoft Ireland – Dublin (IE)</p>	<ul style="list-style-type: none"> <li>• Role: External Localization coordinator, in the Workgroup Business Unit.</li> <li>• Tasks: Responsible for the coordination of the localization efforts for MS Mail Client 3.0 onward and Schedule+, and also for the integration in Windows for Workgroups 3.11.</li> <li>• Achievements: Top 5 WPGI employees worldwide 1993</li> </ul>

## → NATO - HIGHLIGHTS OF EXPERIENCE

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Tactical Data Links:	Air Defense Systems including Tactical Data Links (TDL) Link 11/11B, Link 1, Link 22, Link 16/JREAP-C, integration of AIS sources, design and execution of TDL Systems interoperability tests and assessments, acceptance tests, verification of test plans and procedures, requirement specifications, documentation. Re-Engineering of Communication sites and Communication sites Remote Control Solutions, including all aspects.
Other:	Project management and Team Lead experience

## → EDUCATION

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Pisa University (Italy) 1985 - 1991	<b>COMPUTER SCIENCES DEGREE (MS)</b> Computer Science (Scienze dell'Informazione), with focus in Theory of Models, theory of Optimization and Simulation University of Pisa - ITALY ( <a href="https://www.di.unipi.it/en">https://www.di.unipi.it/en</a> )
1980- 1985	<b>SECONDARY EDUCATION</b> I.I.S.S.S. Axel Munthe, Anacapri (NA) - Italy ( <a href="http://www.istitutoaxelmunthe.edu.it/index.php">http://www.istitutoaxelmunthe.edu.it/index.php</a> )
Certificates (I mention here only a few)	<b>Data Science Specialization</b> (John Hopkins University - Coursera) <b>Machine Learning</b> (Stanford University - Coursera) <b>Statistical Learning</b> (Stanford University - <a href="http://lagunita.stanford.edu">lagunita.stanford.edu</a> - this resource is no longer available) <b>Developing Websites Using Python and Django</b> (Microsoft Virtual Academy) <b>Applied Data Science with Python</b> (IBM) ( <a href="https://cognitiveclasses.ai">https://cognitiveclasses.ai</a> , badges visible on <a href="https://www.youracclaim.com/users/antonio-ferraro/badges">https://www.youracclaim.com/users/antonio-ferraro/badges</a> ) And more (most of the certifications can be found on my <a href="#">LinkedIn</a> profile).
Academic Interests	Programming, optimization, user interfaces, data Science

## → TECHNICAL SKILLS

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Programming Languages, libraries, skills:	Java /JEE (Spring, Spring Boot, Hibernate), Web Services/Microservices, Eclipse RCP, Swing, C, Python (Flask, Numpy, Pandas, PyQt/PySide2...), R, C++ and Javascript (limited experience), VB / VBA, Object Pascal (Delphi), Powerbuilder, XML/HTML/CSS/Bootstrap, handling of data in XML/JSON.
Scripting:	Bash, Perl
Databases:	MS SQL, MySQL, Postgresql, SQLite and SQL RDBMS in general.
Integrated Development Environments:	Eclipse (for Java and C), IntelliJ Idea. Pycharm/Atom/Wing IDE (Python), Jupyter Notebook (Python, R, Nodes), Rstudio, Geany for small tasks, Lazarus for Object Pascal.
CI/CD:	Gitlab, Jenkins
Web Services/API Testing:	Postman, SOAPUI, RESTer extension for Chrome
Virtualization:	Virtualbox, VMWare, Solaris Zones
Os Administration:	Oracle Solaris 8, 10, 11, UNIX/Linux (Red Hat and Ubuntu families current versions), Windows up to 2012
Os as Advanced User:	All of the above and Mac OS X, Android

Version Control tools:	Git, SVN, CVS, RCS, MS Sharepoint
Network Administration:	CISCO and network design and administration (CCNA), RAD Megaplex Configuration and Administration, Network services design / reorganization.
CMS:	Wordpress, Joomla, Hugo.
Graphics and Design tools:	MS Visio, Inkscape, GIMP, Photoshop, Ms Publisher, Dia, Draw.io/Diagrams.net
Office / Desktop Applications / Typesetting systems	MS Office, Libreoffice, DrawIO, Adobe, Gimp, Inkscape, Latex and more.

## → LANGUAGES

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Mother tongue	<b>Italian</b>
Foreign languages	<b>English</b> Excellent command, comprehension, written and spoken
	<b>French</b> Excellent command, comprehension, written and spoken.
	<b>German</b> Basic knowledge (certificate A2), basic comprehension written and spoken
	<b>Dutch</b> Basic knowledge, reading and understanding, weak written and spoken (Certificate A1)
	<b>Spanish</b> Good knowledge, comprehension and reading, weak written and spoken.

## → OTHER

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- Extensive experience in the field of NATO Military Tactical Data Links.
- Driving License type B
- NATO Security Clearance: NS
- Linkedin profile: <https://www.linkedin.com/in/antonio-ferraro-860b1825>
- Company's web page: <http://safits.be>

## → PERSONAL INTERESTS AND HOBBIES

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No Profit: In the wake of the COVID-19 emergency, I developed [ideessuspendues.be](http://ideessuspendues.be), a social platform to collect ideas to help SMEs to continue or resume business safely.

Personal interest: Data Science blog. I am gathering a Data Science understanding by means of online courses and certifications and I run a blog about this experience: [antonio-ferraro.eu5.net](http://antonio-ferraro.eu5.net)

Personal interest: Python blog. Teaching Python to my son and his friends, two hours every week-end. I keep the highlights of our lessons in this blog: [apprenons-python.c1.biz](http://apprenons-python.c1.biz)

As I like exploring new technologies, and computing is for me somewhat of a passion other than just a job, I spent a bit of time investigating [Hugo](http://Hugo) to create another minuscule blog site, one that can be maintained with minimal effort, yet allows to obtain decent results: <https://anfe67.github.io/>. (Working links for the two above can be found there).

Hobbies: Music (playing guitar), travel, football, learning new things about IT, reading, gardening.