

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">• Founder and CTO of SaF IT Services (SaFITS).
05/2021 – Current For CORESO	<ul style="list-style-type: none">◦ Software Developer for CORESO, as a member of the Internal Software Development Team◦ Role: Python Developer◦ Technologies:<ul style="list-style-type: none">▪ Python: Python/Pycharm, Git/Gitlab, PyQt/PySide2 REDIS, Minio, PostgreSQL, Fastapi, Kafka, Pytest, Poetry, mkdocs, mermaid, CI pipelines, Docker, Kubernetes, REST microservices and more.
08/2020 05/2021 For various customers	<ul style="list-style-type: none">◦ Software development for various SaFITS customers in the military (IBM DEU and others) and civil sector (AM Consilium)◦ Role: Developer and Analyst◦ Technologies:<ul style="list-style-type: none">▪ Python: Python/Pycharm, Git/Github, PyQt/PySide2 toolkits, Flask/Flask-Socketio, REST microservices / Postman / RESTer.▪ Java: Java 1.8 and 1.11 / IntelliJ and Eclipse, SpringBoot, Websockets / STOMP.▪ Frontend: HTML/CSS/JS – Bootstrap, JQuery, Stomp
01/12/2020 – 31/01/2021 For VLIZ – Ostende - (B)	<ul style="list-style-type: none">◦ Role: Sole Developer◦ Task: Implementation of a Quality Control system on a Marine Biodiversity database (EUROBIS-QC)◦ Technologies: Python/Pycharm, REST API calls, MS SQL, SQLITE, Dbeaver, multiprocessing, Git/Github, Norettest◦ Link: https://github.com/lifewatch/eurobis-qc
10/2019 – 01/2020 For NCIA/SSSB – various locations	<ul style="list-style-type: none">◦ Role: External Consultant for the NATO NCIA/SSSB Section. Software Documentation, Project Support, Testing and Training.◦ Technologies: Java/Eclipse, MS Sharepoint, MS Visio

<p>07/2019 – 12/2019 For Lampiris – Liege (B)</p>	<ul style="list-style-type: none"> ◦ Role: Java Analyst Programmer for Lampiris in the “Finance” tribe. ◦ 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. ◦ Technologies: Java/IntelliJ Idea, Spring/Hibernate, microservices, Gitlab, JIRA/Confluence, Postgresql, MS SQL, Postman.
<p>06/2007 – 06/2019 NATO NCIA/SSSB - NPC Glons(B)</p>	<ul style="list-style-type: none"> • Role: Deputy Chief of a Section of 11 employees, Software and System Analyst. Successfully led: <ul style="list-style-type: none"> ◦ Software release cycles and one-shot software projects ◦ 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. ◦ Organization and coordination of Tactical Data Link test efforts. ◦ Redaction of technical specifications and bid documentation for new products (SSSB ALAM). • Also responsible for requirement collection and analysis, customer relations, travel to customers’ sites, project lead. • Technologies: Java/Eclipse, C, MS Sharepoint, MS Visio, laboratory assets • Achievements: NSPA Medal Dec/2012
<p>07/2003 – 06/2007 NATO NSPA/SSSB - NPC Glons (B)</p>	<ul style="list-style-type: none"> • 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. • Technologies: C/Source Navigator, Perl, Unix scripting, SQL.
<p>05/2000 – 06/2003 NATO NSPA/SSSB - NPC Glons (B)</p>	<ul style="list-style-type: none"> • Role: Analyst Programmer, C. • Tasks: Software maintenance • Technologies: C/Source Navigator, Perl, Unix scripting, SQL.
<p>11/1995 – 05/2000 NATO STO/CMRE - La Spezia - (I)</p>	<ul style="list-style-type: none"> • Role: Software Developer within the Operational Research Department • Responsible for the successful development of EMiR - The Electronic Minefield Referee - as the sole developer • Technologies: Object Pascal/Delphi, C, CVS. Linear optimization libraries • Achievements: Promotion in 1996 for the work on EMiR.
<p>02/1994 – 11/1995 Iris Technologies – Milan, (I)</p>	<ul style="list-style-type: none"> • Role: Consultant / Developer. Responsible for the Client-Server development area. Sole developer on projects for customers: <ul style="list-style-type: none"> ◦ Laboratoires Boiron (Accountancy data aggregation and drill down) ◦ JP Morgan Bank (Backup offline application for principal system) ◦ Mercur Assistance (Now part of Allianz Global Assistance) – Full Call Centre management application • Technologies: VB / VBA / Powerbuilder / MS SQL Server / Sybase. • Achievements: Top two Iris employees 1994

02/1992 – 02/1994
Microsoft Ireland – Dublin (IE)

- Role: External Localization coordinator, in the Workgroup Business Unit.
 - 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.
 - Achievements: Top 5 WPGI employees worldwide 1993
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→ NATO - HIGHLIGHTS OF EXPERIENCE

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

Pisa University (Italy)

1985 - 1991

COMPUTER SCIENCES DEGREE (MS)

Computer Science (Scienze dell'Informazione), with focus in Theory of Models, theory of Optimization and Simulation

University of Pisa – ITALY (<https://www.di.unipi.it/en>)

1980- 1985

SECONDARY EDUCATION

I.I.S.S. Axel Munthe, Anacapri (NA) - Italy

(<http://www.istitutoaxelmunthe.edu.it/index.php>)

Certificates (I mention here only a few)

Data Science Specialization (John Hopkins University – Coursera)

Machine Learning (Stanford University – Coursera)

Statistical Learning (Stanford University – lagunita.stanford.edu - this resource is no longer available)

Developing Websites Using Python and Django (Microsoft Virtual Academy)

Applied Data Science with Python (IBM) (<https://cognitiveclasses.ai>, badges visible on <https://www.youracclaim.com/users/antonio-ferraro/badges>)

And more (most of the certifications can be found on my [LinkedIn](#) profile).

Academic Interests

Programming, optimization, user interfaces, data Science

→ TECHNICAL SKILLS

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**

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

→ **REFERENCES**

- References shall be provided on request.

→ **OTHER**

- 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**

No Profit: In the wake of the COVID-19 emergency, I developed 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

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

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 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.