

FRANCESCO PAOLO SFERRATORE

Software Engineer

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Via Spalatriello 77, Barano d'Ischia (NA) August 28, 2000 Italian



SUMMARY

Versatile software engineer and researcher with a strong background in **artificial intelligence and NLP**, recognized for **research publications** and developing **innovative and secure solutions**. Proficient in full-stack development, with a focus on back-end. Skilled in basic penetration testing and passionate about OSINT.

EXPERIENCE

Software Engineer

CVing 06/2025 - 12/2025 Milan

I was responsible for back-end development of a job-matching application that utilized artificial intelligence to connect job seekers with relevant opportunities.

- Technology Stack: Java Spring, Go, PostgreSQL, Google Cloud, Jenkins
- Managed the complete software development life cycle from coding to deployment.
- Oversaw DevOps processes using tools like Jenkins and Google Cloud to ensure continuous integration, continuous deployment, and system scalability.

Software Engineer

Hays Solutions 02/2024 - 05/2024 Pozzuoli, Italy

As a **Software Engineer** at **Hays Solutions**, I provided consultancy for **Ditron S.R.L.**, focusing on the creation of new software solutions for electronic payment devices. I contributed particularly to the technological renewal of the software infrastructure regarding these devices, taking part in the development and evolution of the system components during a technology transition phase for the company. This experience allowed me to gain substantial knowledge in the IoT field.

- Technology Stack: .NET, Blazor, Microsoft SQL Server, HiveMQ, MQTT Explorer, Microsoft Azure

Research Project Associate- Intelligent Chatbots for Learning Assistance

Università Mercatorum 11/2023 - 02/2024 Rome

In my role as a **Research Project Associate** for **Università Mercatorum**, I studied the application of neuro-linguistic processing techniques to enhance digital support in the learning domain. This experience culminated in the publication of the AI4T system at ICWL 2023:

[Advances in Web-Based Learning – ICWL 2023: 22nd International Conference, ICWL 2023, Sydney, NSW, Australia, November 26–28, 2023, Proceedings | SpringerLink](#)

- Technology Stack: Python 3, NPL algorithms, Relational and non-relational DBs, Node.js, JavaScript, TypeScript, Git, GitHub

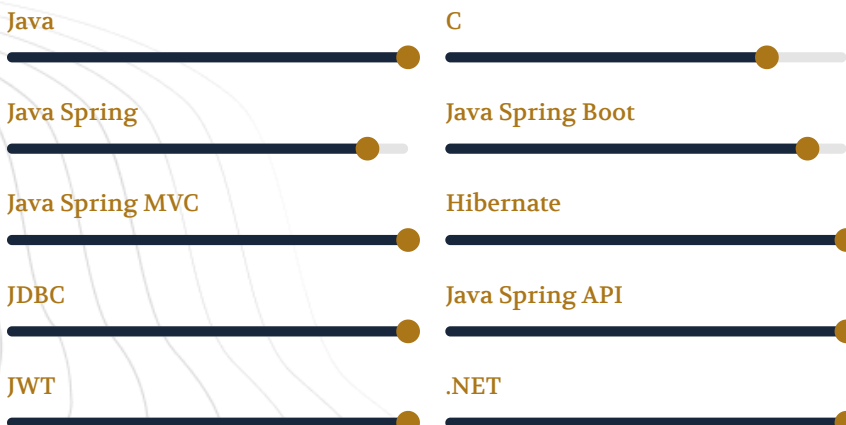
Analyst Consultant

Cappemini 09/2021 - 04/2023 Naples

As an **Analyst Consultant** at **Cappemini**, I had the opportunity to work on software development for a key client in the Global Automotive sector. During my tenure, I also had the opportunity to become the team leader within the development and AMS (Application Maintenance Services) team.

- Technology Stack: .NET Framework (WebForms, Razor Pages, MVC), .NET Core 6 (MVC), Oracle SQL, PL/SQL, JavaScript, HTML, CSS, IBM DataStage software products, GIT Repo.
- Acted as the primary consultant for the client on the project for 1 year.
- Served as the project team leader for both development and AMS for 1 year.
- Worked extensively on database optimization and its operations.

TECHNICAL SKILLS



EDUCATION

Master's Degree in Computer Science LM-18 Cybersecurity Curriculum

University of Salerno

02/2024 - In Progress Fisciano

Bachelor's Degree in Computer Science L-31

Pegaso University, University of Salerno

09/2019 - 06/2023 Naples

GPA
106 / 110

Diploma in Computer Science and Telecommunications

ITCG E. Mattei

02/2015 - 07/2019

Casamicciola Terme (NA)

GPA
100 / 100

SOFT SKILLS



Facilitator

As a Team Leader at Cappemini, I have developed the ability to mediate discussions among team members, reducing friction during conflicts.



Guilt-Free Approach Practitioner

My role as a Team Leader at Cappemini has honed my skill in providing technical feedback in a way that puts the recipient at ease, guiding them toward improvement while minimizing emotional impact.



Client Communication

In my tenure as a Team Leader at Cappemini, I have often assisted and substituted for the Project Manager in client communications, enhancing my ability to engage with non-technical clients regarding their areas of interest.



Team Collaboration

My diverse experiences in both corporate and research settings have equipped me with strong capabilities to adapt my professional role within a team, allowing me to handle both leadership and technical positions that are integral to decision-making processes.



Communication and Empathy

My personal and professional interests align in my approach to managing relationships with others through effective communication and empathy. A humane perspective on collaboration remains a cornerstone of my career.



Quick Learning

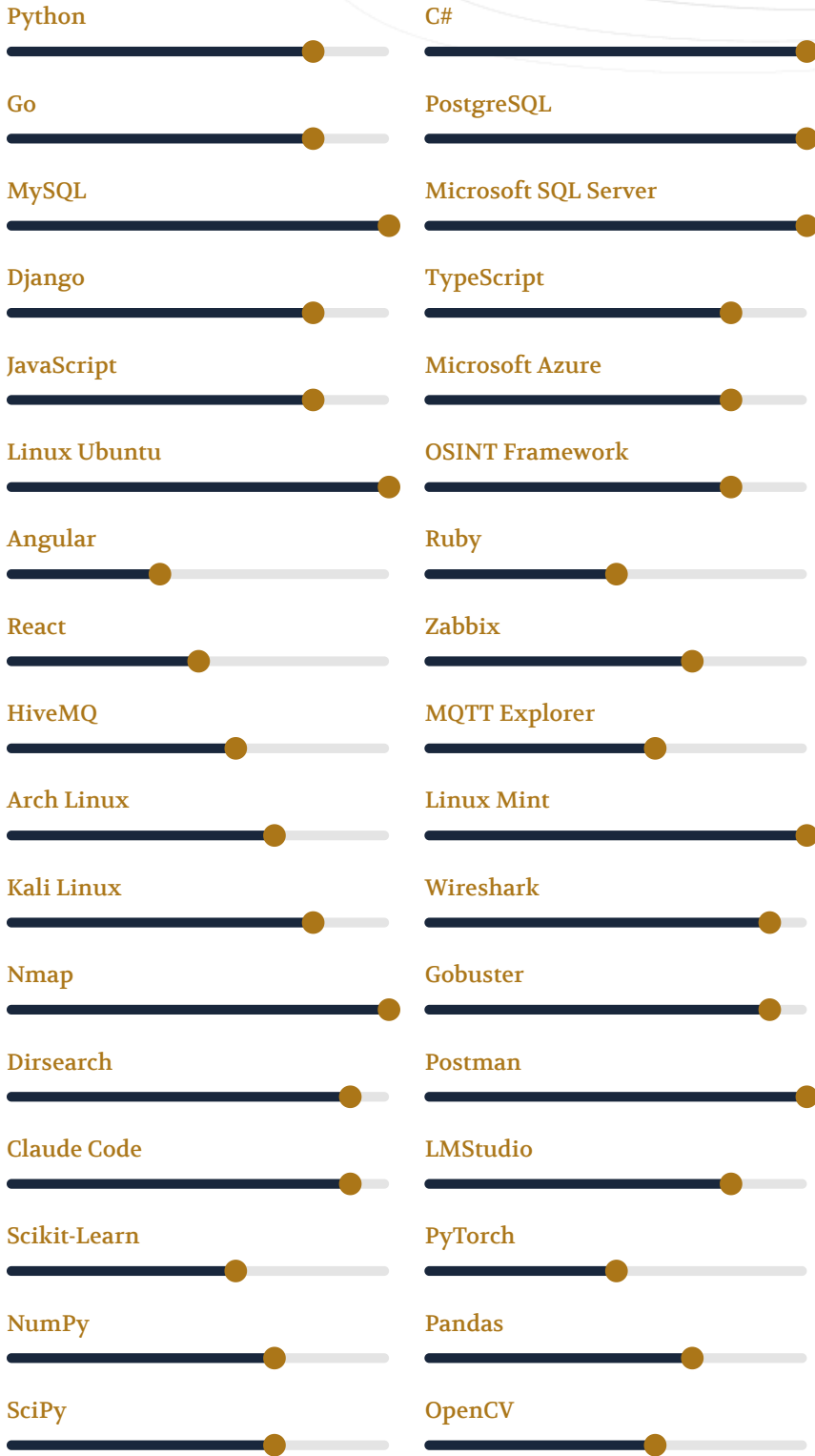
My university and work experiences have encompassed a wide array of technologies and concepts. These opportunities have shaped my ability to quickly learn the necessary skills and knowledge to be effective in the workplace.



Time Management

Having balanced a work-study schedule alongside a long-term commitment to sports and music, I have developed the skill to work systematically and manage my time efficiently.

TECHNICAL SKILLS



SOFT SKILLS



Stress Management

I have learned to manage stress by engaging in enjoyable activities that promote my well-being, even in high-pressure work situations. This approach helps me perform better, reduce illness, and ensure continuity.



Written Communication

As a writing enthusiast, I have developed strong written communication, description, and documentation skills.

ADDITIONAL EXPERIENCES

Research Collaborator - Further Evidence on a Controversial Topic about Human-Based Experiments

University of Salerno

📅 10/2024 - 03/2025 📍 Fisciano, Italy

I served as a **Research Collaborator at the University of Salerno**, where I engaged in **empirical research in the field of Software Engineering**. My main focus was on extracting, validating, and ensuring the quality of experimental data collected during comparative studies involving students and software professionals.

I worked on the **preparation and consolidation of datasets** used for performance analysis during **bug fixing** activities, ensuring data consistency across various experimental contexts (academic and industrial), validating the quality of adopted metrics, and ensuring the reliability of the information gathered.

This role was a **critical step in ensuring the robustness of statistical analyses and the reliability of the findings presented in the scientific publication**, significantly contributing to the **methodological rigor of the study**.

The collaboration culminated in the publication of the paper *"Further Evidence on a Controversial Topic about Human-Based Experiments: Professionals vs Students"* at EASE 2025: [Further Evidence on a Controversial Topic about Human-Based Experiments: Professionals vs Students](#)

- Technology Stack: Java, Ruby

Computer Science Teacher

ITCG E. Mattei

📍 Istituto Comprensivo Capraro, Procida (NA)

Completed a school-work alternation experience by teaching computer science lessons in various classes of lower secondary education.

LANGUAGES

English Native ●●●●●

Italian Native ●●●●●

HOBBIES AND INTERESTS



Writing



Olympic Weightlifting



Music



Chess