



Leonardo Serilli

📍 Nationality: Italian - Rieti (RI)

🎂 1998

📍 Nice (FR)

🎓 Titles: Master Degree in computer science

🗣 Languages: *Italian, English, French*.

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🔗 github.com/LeonardoSerilli/aboutMe

🔗 linkedin.com/in/leonardo-serilli-633485207

🔗 upwork.com/freelancers/013de4cbfcfe2b7a00

STUDIES

2017–2020

Degree in Computer Science

L'AQUILA UNIVERSITY · L'Aquila (IT) 

Earned a bachelor degree in computer science with a mark of 102/110

2020–2021

1st year of Master Degree in Ubiquitous Design and Distributed Systems

L'AQUILA UNIVERSITY · L'Aquila (IT) 

First of two year in a computer science master II degree.

2021–2022

2nd year of Master Degree in Ubiquitous Networking

CÔTE D'AZUR UNIVERSITY · Nice (FR) 

Currently attending the second of two year in a computer science master II degree.

2020

Quantum Computing Bachelor Thesis

L'AQUILA UNIVERSITY · L'Aquila (IT) 

Thesis about Quantum Computing Algorithms. follow a list of some discussed topics: Quiskit, Quantum Fourier transform, Quantum phase estimation, Shor, Grover, Variational Quantum Eigensolver and more.

The document can be found at https://github.com/LeonardoSerilli/aboutMe/blob/main/BachelorThesis_quantumAlgorithms.pdf

2021–2022

Projet de fin d'étude

INRIA · Nice (FR) 

Worked in the INRIA's COATI team during my projet de fin d'étude (PFE). The project regarded the evolution of social graphs over time. I worked under the supervision of the following professors: Małgorzata Sulkowska, Nicolas Nisse, Frédéric Giroire.

2022

internship

INRIA · Nice (FR) 

Involved in a six months internship in the INRIA's COATI team from march 2022 until august 2022. The internship follows the work done in the PFE described above. The final Report of the project can be found at https://github.com/LeonardoSerilli/aboutMe/blob/main/MasterThesis_EvolutionSocialGraphs.pdf

2023

Consultant

INETUM · Nice (FR) 

consultant at the inetum company

2023

Developer

AMADEUS · Nice (FR) 

Developer at Amadeus for Inetum in the Testing Tool Team. Working on the internal test infrastructure of Amadeus, in SAFE methodology.

2023

SAFE methodology

CERTIFICATION · Nice (FR) 

Earned a Scaled Agile Framework (SAFe) certification while working for Amadeus.

2025

CTO

DAEDALUS LAB S.R.L. · Terni (TN) 

Co-founder and CTO of Daedalus Lab, where we design and develop sustainable, scalable, and modern software solutions for clients worldwide. <https://www.daedaluslab.it>

LOTS OF INFORMATION

2020

Cyberchallenge

L'AQUILA UNIVERSITY · L'Aquila (IT) 

Classified for the 2020/2021 edition of the Cini(Consorzio Interuniversitario Nazionale per l'Informatica) national project 'Cyberchallenge' with a participation in the regional competition.

2017–2021

University Projects

L'AQUILA UNIVERSITY · L'Aquila (IT) 

Faced many project during bachelor studies, by my own or in team, which have covered topics such as Relational Database, Software Engineering and Architecture, Web Development, Restful services, Artificial Intelligence, Machine Learning and so on.

Some can be found in my Github:
<https://github.com/LeonardoSerilli/aboutMe>

2025

Green Software Practitioner

CERTIFICATION · Nice (FR) 

Earned the Green Software Foundation's Green Software Practitioner certification. <https://learn.greensoftware.foundation/>



</> AREAS OF EXPERTISE

A summary of the fields where I have solid experience and deliver effective, reliable, and scalable solutions:

- General Software Development
- Cloud-Native Architectures
- Cloud Migration & Optimization
- API & Third-Party Integrations
- Sustainable Software Engineering
- Security & Compliance
- QA & Testing
- AI & Automation
- DevOps & CI/CD

Other Expertise: Quantum Computing, Linear Programming, Cybersecurity Enthusiast.

2025

AWS Cloud Practitioner (CLF-CO2)

CERTIFICATION · Rieti (RI) 

Earned the AWS Cloud Practitioner (CLF-CO2) certification. https://www.credly.com/badges/4e37ebf1-e732-49f9-90b6-7925cc1f5f0d/public_url



DEGREES

2020

Bachelor Computer Science Degree

CERTIFIED · L'Aquila university 



2022

Master II Computer Science Degree

IN PROGRESS · L'Aquila university / Côte d'Azur university 



CERTIFICATES

where?

on my Github
<https://github.com/LeonardoSerilli/aboutMe>

2021 cyberchallenge

2021 Reply cybersecurity challenge

2023 Try hack me

2023 Hack the box academy transcript

2023 SAFE certification

2025 Green Software Practitioner

2025 AWS Cloud Practitioner CLF-CO2

The main technologies and tools I work with to build modern, high-quality software across various domains:

- **Frontend:** TypeScript, JavaScript, HTML, CSS, Flutter, React.
- **Backend:** Next.js, Python (Django, Flask, FastAPI), Go, C#, C++.
- **Databases:** PostgreSQL, MySQL/MariaDB, MongoDB, Redis, Neo4j.
- **Cloud:** AWS (Lambda, Step Functions, API Gateway, S3, DynamoDB, SNS, SQS, CloudWatch), Kubernetes, Docker.
- **AI:** Chatbots, Virtual Assistants, ML/AI Integrations.
- **DevOps & CI/CD:** GitHub Actions, GitLab CI/CD, Jenkins, Docker, Kubernetes.
- **Security & Compliance:** OAuth2, JWT, SAML, RBAC, TLS/SSL, GDPR.
- **Networking:** IPC, RPC, WebSockets, Kafka, RabbitMQ, TCP/IP, UDP, HTTPS, FTP/SFTP, DHCP, ICMP, SNMP.

✓ PROFESSIONAL APPROACH

I deliver solutions that are:

- **Reliable** – built with best practices and long-term maintainability.
- **Efficient** – optimized for performance, cost, and sustainability.
- **Secure** – designed with strong architectures and compliance in mind.
- **Scalable** – engineered to grow with evolving needs.

As Founder of Daedalus Lab – “**Pioneering with Wisdom**”, I combine technical expertise with sustainable software engineering, ensuring that innovation aligns with environmental responsibility.

👤 OUTSIDE THE CODE

Beyond programming, I am a bassist, former rugby player, and avid traveler and hiker. These experiences strengthened my creativity, resilience, and teamwork — qualities I bring to every collaboration.