# Leonardo Serilli

🌐 Nationality: Italian - Rieti (RI)
👥 1998
📍 Nice (FR)

🎓 <u>Titles</u>: Master Degree in computer science
💬 Languages: *Italian*, *English*, *French* .

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○ github.com/LeonardoSerilli/aboutMe
in 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.

## 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`

**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`

| 2025 | **Green Software Practitioner** |
|---|---|
| | Certification · Nice (FR) 📍 |

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

| 2025 | **AWS Cloud Practitioner (CLF-C02)** |
|---|---|
| | Certification · Rieti (RI) 📍 |

Earned the AWS Cloud Practitioner (CLF-C02) 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-C02 |

## </> 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.

## ⚙ CORE TECH STACK

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.