



## Matteo Salonia

GNU/Linux Sysadmin &  
full-stack developer

- ▶ Born on **8 Dec 2004**
- ▶ Living in **Ragusa (RG), Italy**
- ▶ Graduated with **98/100**

## Contacts

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## Skills

GNU/Linux	>7 years
Cloud Computing	3 years
Infra management	>5 years
Frontend development	>7 years
Backend development	>5 years
Domains & DNS	>7 years

## Languages

Italian: **Native**

English: **B2 QCER Certification**

## Biography

I have solid experience with **GNU/Linux servers & web development**. Since the age of 13 I have developed a strong interest in computer science, dedicating a lot of time to **exploring, analyzing, and understanding the functionalities** of **operating systems, networks, web sites**, and technology in general. My experience on GNU/Linux servers includes **configuring and optimizing systems**, as well as **solving complex problems**. I am always looking for **new opportunities to deepen my knowledge**, and stay updated on the **latest trends** in technology. My passion for computer science is reflected in my approach to work, where I commit to providing **efficient and innovative solutions**. I am a **results-oriented** collaborator, ready to contribute to the **success of the team** and the **organization**.

## Certificazioni

In **November 2024**, I won a scholarship for the **AWS re/Start** program, which I am currently participating in, with the reference organization **Edgemony**.



### AWS Certified Cloud Practitioner

Certification date: Febbraio 2025

This certification demonstrates mastery of **cloud computing** principles. This credential rigorously examines the components of the **AWS ecosystem**, including an **analysis** of the **reference architectures**, a **broad range of services**, as well as **established best practices** for **security** and **regulatory compliance**.

## Training

Over the years I have undertaken a path of **independent study** of the concepts, which has allowed me to **significantly expand my skills** in **various areas**. In particular, I specialize in:

- **GNU/Linux:**
  - **Kernel configuration & compilation** for **high-performance** and **real-time** systems
  - Management of servers capable of handling **thousands of concurrent users** and implementation of **cost-reducing** measures
  - Distro: **Arch, Artix, Debian, Devuan, Gentoo, RHEL, Ubuntu**
- **Cloud Computing:**
  - Management of **cloud infrastructures**, such as **networks, firewalls, servers, databases, storage, load balancers, auto-scaling**
  - Implementation of **best practices** in various scopes
- **Firewall:**
  - **Port filtering** and **rate-limiting** configuration
  - **Suricata IPS/IDS, ufw, and iptables** configuration
  - Blocking of **malicious requests** via **Fail2ban** and automatic reporting on **AbuseIPDB**

## Education

2020 – 2023

### Corporate Information Systems (Sistemi Informativi Aziendali)

ITC Archimede, Modica (RG)

During these years I further developed my **computer skills**, studying & practicing with various **programming languages**, **full-stack development** (front-end & back-end), management of **GNU/Linux servers**, and the **protection** of these. I graduated as an **Accountant & Computer Expert** (Ragioniere Perito Informatico), with a score of 98/100

2018 – 2020

### Administration, Finance & Marketing (Amministrazione, Finanza e Marketing)

ITC Archimede, Modica (RG)

During these years I gave importance to the acquisition of linguistic skills in the English language.

2018

### Cambridge English

During 8th grade I attended the “**Cambridge English**” private school, where I received the **B2** certification.

## Interests

- ▶ Linux Kernel
- ▶ GNU/Linux Servers
- ▶ Cloud Infrastructures
- ▶ HPC
- ▶ Electrical engineering
- ▶ Electronics

### Web servers:

- Implementation of **security policies** and **SSL certificates**
- Modern HTTP protocols: **HTTP2** and **HTTP3/QUIC**
- **Rate-limiting**
- **nginx** configuration

### Website development:

- **Frontend**: Reduction of **dependencies on JS**, **responsive** and **modern design**, **better navigability**
- **Backend**: **PHP 8** + **Laravel 11**, **content compression**, **load time reduction**, **malicious request blocking**, **rate-limiting**

### Domain names & DNS:

- **DNS zones** and **records** configuration
- Ad-hoc **DDNS client** implementation via API calls

### Databases:

- Familiarity with **Relational DBMS** (MySQL/MariaDB, Aurora) and **non-relational/noSQL** (DynamoDB)
- **SQL query** composition
- Use of **prepared statements**

### Other technical skills:

- **L<sup>A</sup>T<sub>E</sub>X**
- **awk** and **sed**
- **vim/neovim**
- **C** e **Python**

## Experience

I decided to **start a career immediately** for several reasons. I have always believed in the **importance** of **practical experience** as an **essential complement** to **studying**: working right from the get-go has allowed me to acquire **concrete skills**, and to apply knowledge in a **real-world context**, thus facilitating **deeper** and **more meaningful learning**. I am motivated by the **desire to actively contribute** to a project, and to see the **results of my commitment**. I believe that working right from the start allowed me to develop a **results-oriented mindset**, and to refine my **problem-solving skills**.

### Omicron Elettronica S.r.l.

07/2023 – 10/2024

Alarm & Video surveillance systems  
Cloud infrastructures

With **Omicron Elettronica** I was able to explore the world of **alarm** and **video surveillance systems**, also working with **electrical systems**, **data networks**, **rack cabinets**, **cable laying**. Here I also managed several **cloud infrastructures**. I worked at this company not only in 2023, but also in the **summer of 2022**, when I was still in high school, carrying out the same tasks. Even though I was an **apprentice**, I was still able to carry out most (if not all) tasks **independently**.