Matteo Salonia

GNU/Linux Sysadmin &
full-stack developer

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

Contacts

📱 +39 366 507 5041
✉️ matteo@salonia.it
✉️ saloniamatteo@pm.me
🏠 salonia.it
⊙ github.com/saloniamatteo
in saloniamatteo

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 **autonomous learning**, 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**:
  - <u>Frontend</u>: Reduction of **dependencies on JS**, **responsive** and **modern design**, **better navigability**
  - <u>Backend</u>: **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**:
  - LaTeX
  - **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.
Alarm & Video surveillance systems
Cloud infrastructures

07/2023 – 10/2024

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**.