



Matteo Salonia

Sysadmin, full-stack developer, web developer, computer systems designer, domain & DNS manager, GNU/Linux servers installer & maintainer

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

Contacts

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Skills

| | |
|------------------------|----------|
| Web development | >7 years |
| Backend development | >5 years |
| DNS management | >7 years |
| Linux server admin | >7 years |
| Firewall configuration | >7 years |
| Anti-theft systems | 3 years |
| CCTV systems | 3 years |
| Electrical systems | 3 years |
| Smart home | 2 years |

Biography

I'm a man originally from Ragusa (RG). Since I was little, computers have fascinated me: trying to understand how they work, how to configure them, how to create a website (and much more), they've always caught my attention.

I've always used Linux computers, starting from Ubuntu, then going towards Arch Linux, finishing with Gentoo Linux, which I currently use on my laptop, and on my server. I prefer it over Windows because it is open-source, free, much more configurable and much more efficient in comparison, and does not send any telemetry data. Servers have always fascinated me as well: currently I manage one, reachable via the web address <https://salonia.it>.

Traning

Over the years I autonomously studied various IT branches through study and constant practice. Here's a list of all of the IT branches I regularly work in, professionally:

- **GNU/Linux:**
 - Manual installation via **command line**
 - **Kernel** configuration, tailored to the available hardware
 - Configuration of users, groups, and various permissions
 - **ssh** configuration for **remote access**, without using passwords, instead using public keys
 - **Firewall** configurations, reducing to zero the risk of intrusions and vulnerabilities
 - **HTTP(S) server** configuration with **nginx** & SSL certificates, for a lightweight, safe, & performant server
 - **DNS server** configuration with **unbound**
 - **Email server** configuration with **postfix** & **dovecot**
- **Domains & DNS:**
 - Complete **domain name** setup
 - **Custom nameservers** configuration
 - **DNS records** configuration: A, AAAA, CNAME, MX, RP, TXT ...
 - Periodic **external IP** check (IPv4 and IPv6): should they be dynamic, whenever a change is detected, the relevant DNS records will automatically be updated
- **Website development:**
 - **User interface (UI)** design, prioritizing mobile devices (mobile-first); detailed color analysis, resulting in a better experience for the visually impaired and/or devices with low readability
 - **User experience (UX)** design, analysing the common user behaviors; detailed page structure analysis, resulting in layouts that are smooth and easy-to navigate
 - **Minimal resource** expenditure, reducing assets' weights and the amount of loaded resources, lowering costs, as well as page load times, increasing users' interactivity

Education

2020 – 2023

Sistemi Informativi Aziendali (SIA)

ITC Archimede, Modica (RG)

In these years, in addition to regular course attendance, I further developed my IT skills in an advanced way, regarding various programming languages, full-stack development (front-end & back-end), GNU/Linux systems administration, and the advanced protection of these.

I've graduated as a

Accountant & Computer Expert (Ragioniere Perito Informatico), with a score of **98/100**.

2018 – 2020

Amministrazione, Finanza e Marketing (AFM)

ITC Archimede, Modica (RG)

In these years, in addition to regular course attendance, I attributed relevance to the acquisition of advanced linguistic skills in the English language, considering its fundamental role in the IT industry.

2018

Cambridge English

During 8th grade, I attended the English private school “**Cambridge**”, where I achieved the **B2** level certification with full marks, beating the other candidates, even after having signed up later than them, and being 6/7 years younger.

Interests

- ▶ Linux
- ▶ Servers
- ▶ Electrical engineering
- ▶ Electronics
- ▶ Boxing
- ▶ Bodybuilding
- ▶ Cars & motorcycles

Backend development:

- **PHP** config optimization, reducing memory usage in limited systems, and increasing performance
- **Multi-language** pages support, in a simple way, proportional to the complexity of the page
- Sending and retrieval of data stored in the local database using **unix sockets**, to further reduce load times, avoiding external transmissions

Data networks:

- **LAN networks** design and installation
- **Access point** installation, internal and external
- **Switch** installation
- **Router** configuration
- **CAT6/CAT7/CAT8 cable** pulling, non-shielded (**UTP, F/UTP**), and shielded (**F/FTP, S/FTP**), with **RJ45 (8P8C)** terminations

Anti-theft systems:

- **Anti-theft systems** design, according to architectural characteristics, and according to user needs
- Installation, configuration and maintenance of **Ajax wireless systems**
- Installation, configuration and maintenance of **Combivox systems**, **wired, wireless**, and **mixed wired-wireless**
- **Hesa systems** maintenance
- **Anti-theft cable** pulling, for **internal**, and **external** usage

Video-surveillance systems (CCTV):

- Installation, configuration and maintenance of **Dahua NVRs**
- Installation, configuration and maintenance of **Dahua IP CCTVs**
- Configuration and maintenance of **Dahua DVR/XVR** and **digital coax cameras**

Electrical systems and Smart Home:

- **Electrical cable** pulling, from the smallest to the largest sections
- **Relay** and **contactor** wiring
- **Sockets** and **plugs** terminations, **switches**, **lights**, etc.
- **Industrial/Three-phase sockets** and **plugs** terminations
- Installation and maintenance of small & medium **electrical panels**, both **single-phase** and **three-phase**
- **Remote control** of lights/sockets/relays/etc. with **Shelly**

Experience

Omicron Elettronica s.r.l.

07/2023 - 10/2024

Anti-theft systems installer and maintainer

With Omicron Elettronica I was able to further deepen my knowledge regarding anti-theft systems, CCTV systems, electrical systems, data networks, server racks, and telephone exchanges. I worked in this company not only in 2023, but during the summertime of 2022 as well, when I still went to high school, carrying out the same tasks. Despite being an apprentice, I'm still able to complete most tasks by myself.