



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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Projects

🔗 AWS resources (Italian)

Website that provides vast info regarding AWS services & fundamentals

🔗 OpenAlias WebUI

Website that allows the retrieval of OpenAlias & DNSSEC records for any domain name

🔗 Kernel

My custom Linux Kernel builds, containing a script that facilitates Kernel selection, patching & optimization process, compilation, and installation

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.

Throughout my career I've developed a solid ability to manage and organize my work independently, facing challenges with resourcefulness. My experience in teamwork has taught me the importance of collaboration to achieve common goals and to actively listen to the needs of others, while my leadership skills have allowed me to guide and motivate my team towards success. I'm always attentive to details, approaching each task with precision and care. Resilience has been essential in overcoming difficulties, even in moments of greatest stress. These experiences have shaped the person I am today, ready to face new challenges with determination and passion.

Certifications

In November 2024 I won a scholarship for the AWS re/Start program, which I am currently participating in at the Edgemony training school.

I'm currently studying to obtain the Solutions Architect Associate certification.



AWS Certified Solutions Architect Associate (Ongoing)

This certification demonstrates skills in design & implementation of secure, scalable, resilient, and cost-optimized architectures, following architectural best practices, and translating business requirements into effective technical solutions.



AWS Certified Cloud Practitioner (February 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.

Experience

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.

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.

Awards

► Merit-based scholarship

Scholarship awarded in recognition of my **academic achievements**, and my constant commitment to **pursuing excellence**.

► CONI Giovani Medal “Giochi della gioventù”

Recognition for participation in **team sports** & **winning the championship**

► 2 Trophies “Leggere = Crescere”

Recognitions obtained as a result of **reading the greatest amount of books**, with subsequent **personal and academic development**

Skills

Over the years I have undertaken a path of **autonomous learning**, which has allowed me to **significantly expand my skills** in various areas. Here are some of my skills:

- **GNU/Linux:**
 - **Kernel configuration & compilation**
 - **Bootloader configuration** (GRUB2)
 - **Server administration** (distro: **Amazon Linux, Gentoo, RHEL**)
 - **Suricata IPS/IDS, ufw, iptables**
 - **Implementation of Fail2ban and AbuseIPDB**
 - **Rate-limiting**
- **Cloud Computing:**
 - **Management of cloud infrastructures**
 - **Implementation of best practices** in various scopes
 - **Communication between on-premises & cloud environments**
 - **High availability**
- **Web servers:**
 - **Implementation of security policies** and **SSL certificates**
 - **Modern HTTP protocols: HTTP2 and HTTP3/QUIC**
 - **Rate-limiting**
 - **nginx configuration**
- **Website development:**
 - **Frontend: HTML, CSS, vanilla JS**
 - **Backend: PHP, Laravel**
 - **Reduction of load times**
 - **Performance optimization**
 - **Responsive design**
 - **SEO parameter maximization**
 - **Navigability optimization**
- **Domain names & DNS:**
 - **Zone and record administration**
 - **DNSSEC configuration**
 - **DNSSEC status checking**
 - **DDNS client implementation via API calls**
- **Databases:**
 - **RDBMS** (MySQL/MariaDB, Aurora)
 - **noSQL** (DynamoDB)