



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 CEFR 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, websites**, and technology in general. My experience includes **IT infrastructure design, system configuration & optimization**, 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**, and overcoming difficulties with **resilience**, even in moments of greatest stress. 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**. 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**.



Hurricane Electric Certified IPv6 Sage (March 2025)

This certification verifies proficiency in establishing **full IPv6 connectivity**, running a **web server**, maintaining an **email setup**, and managing both **forward and reverse DNS configurations over IPv6**.



AWS Certified Cloud Practitioner (February 2025)

This certification demonstrates mastery of **cloud computing** principles. This credential 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.

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**, while also working with **electrical systems, data networks, rack cabinets, and cable laying**, actively collaborating with different teams. 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”

Awarded for having **won the championship**, and for taking part in **team sports**

- **2 Trophies “Leggere = Crescere”**

Awarded 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**
 - **Systems optimization**
 - **Bootloader configuration (GRUB2)**
 - **Server administration (Amazon Linux, Debian, Gentoo, RHEL)**
 - **IPS/IDS & Firewall: Suricata, ufw, iptables**
 - **Fail2ban** integration with **AbuseIPDB**
- **Cloud Computing:**
 - Management of **cloud infrastructures**
 - Implementation of **best practices** in various scopes
 - Communication between **on-premises & cloud environments**
 - **High availability**
- **Web servers:**
 - **IPv4 & IPv6** support
 - **nginx** configuration & optimization + **eBPF**
 - Implementation of **security policies** and **SSL certificates**
 - **HTTP2** and **HTTP3/QUIC** (GSO, 0-RTT, Address Validation)
 - **Rate-limiting**
 - **Content compression**
- **Website development:**
 - Frontend: **HTML**, **CSS**, **vanilla JS**
 - Backend: **PHP**, **Laravel**
 - **Reduction of load times**
 - **Responsive design**
 - **Performance, SEO, navigability** optimization
- **Domain names & DNS:**
 - **Zone & record** administration
 - **DNSSEC** configuration & status checking
 - Custom **DDNS** client implementation via **API calls**
- **Databases:**
 - **RDBMS** (MySQL/MariaDB, Aurora)
 - **noSQL** (DynamoDB)