



## 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**. 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.



### 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 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 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**, while also working with **electrical systems, data networks, rack cabinets, and 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”

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)**
  - **Suricata IPS/IDS, ufw, iptables**
  - **Fail2ban integration with 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:**
  - **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 optimization**
  - **SEO optimization**
  - **Navigability optimization**
- **Domain names & DNS:**
  - **Zone & record administration**
  - **DNSSEC configuration**
  - **DNSSEC status checking**
  - **Custom DDNS client implementation via API calls**
- **Databases:**
  - **RDBMS (MySQL/MariaDB, Aurora)**
  - **noSQL (DynamoDB)**