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**, **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.   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**, 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)