

Matteo Maso

Software Engineer

SUMMARY

I was born a curious problem solver and trained as a software engineer. For the past 2 years I've helped SCS scale and since 3 months I have also been the project leader for the development of a new Firmware generation. Previously, I developed five applications for clinical research projects in the healthcare industry. In 2020 I launched a startup in the lighting design sector.

EXPERIENCE



Backend Developer, Sensirion - SCS

Nov 2021 – current, Berlin DE

- **Project Lead** for our new Firmware architecture.
- Created a notification service using serverless and lambdas on AWS
- Successfully migrated the entire backend tech-stack to NestJS + Typeorm.
- Increase our APIs integration test from 5% to 95%.



Software Engineer, Advertima

Aug 2021 – Oct 2021 (company downscaling), Berlin DE

- Facilitated the monitoring of Kafka using Prometheus to expose metrics.
- Configured a Grafana dashboard to improve fault detection.



Full Stack Software Engineer, Khymeia

Apr 2020 – Jul 2021, Padua IT

- Managed the software development of 100 cognitive exercises.
- Delivered 3 applications for clinical research projects on virtual reality, smartphone app and real-time body movement tracking.
- Set up the company's GitLab server to speed up the development process.
- Developed 3 different software dashboards to visualise custom raw medical data in a meaningful way.



Co-founder, Ayuppie: lighting design platform

Oct 2019 – Apr 2021, Treviso IT

- Shaped the idea and the platform by collaborating with 5 people.
- Launched the company online - reached 100 waiting list subscribers.
- Designed the crowdfunding strategy reaching 115K of investment.



Intern as Research Software Engineer, NEC

Sep 2018 – Apr 2019, Heidelberg DE

- Analysed the data structure design of 2 permissionless blockchains focusing on the security aspect - Bitcoin and Ethereum.
- Performed an entropy analysis of different types of Bitcoin data.
- Developed a lossless compression algorithm for Blockchain - saved 45%.

PROJECT

DaPrette - Automation Engineer

Sep 2019 - Feb 2020, Padua

- Lectured on Python and machine automation - 150h.
- Built the control system of 2 autonomous food machinery.

EDUCATION

MEng Computer Engineering – 108/110 University of Padua 2016 - 2019

Focused on: Security, Distributed Systems, Bioinformatic, Data mining.



Berlin

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Skills & Competencies

Tech

- **Typescript**, C#, Python
- **NestJS**, TypeORM, **PostgreSQL**
- Swagger docs, **openAPI**
- Jest, e2e-test, MySQL
- VR, Blockchain, Unity3D
- **Git**, Linux, Docker
- **Security & Privacy**

Transversal

- 360° vision
- Value-driven
- Teamwork
- Design thinking, OKR

Languages

English (professional)

Italian (native)

External Courses

- AWS - Cloud practitioner
- AWS - Solution Architect associate
- Applied Web Application security, Erasmus online
- Softskills, Performando

