

SILVIO VALLORANI



CONTACT INFORMATION

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- 🏠 Contrada Casaregnano, 9 - 63079 Colli del Tronto (AP) - Italy
- 📞 +393463981348
- 📅 23 Sep, 1982
- 🌐 Italian
- 📄 <https://linkedin.com/in/silvio-vallorani>

SKILLS

- Microcontroller programming
- Embedded C
- Real Time Operating Systems
- Debugging skills
- Circuit analysis
- Rapid HW/FW prototyping
- Signal processing
- Python scripting
- Problem solving skills
- Autonomous and team working

LANGUAGES

- Italian | Native
- English | Intermediate

OBJECTIVE

Passionated Senior Developer with over 12 years of industrial experience in hardware and firmware design, implementation, and troubleshooting.

Skilled in rapid prototyping and collaborating across disciplines to deliver innovative solutions on time and within budget.

LTE Expert, Zephyr/IoT Addicted, Matter Enthusiastic, TinyML/AIoT Curious, Embedded DevOps CI/CD Dreamer

Online presence: <https://silvio-vallorani.github.io/silvio-vallorani>

EXPERIENCE

SENIOR HW[25%] & FW[75%] DEVELOPER

INIM Electronics. Montepandone, Italy
| Feb 2013 - Present

<https://www.inim.biz>

- **Designed devices** for intrusion detection and building automation systems - like **keypads, rfid readers, mobile communications, domotics actuators** - including schematics and PCB validation.
- **Developed firmware** for microcontrollers, optimizing performance and power consumption.
- **Led hardware troubleshooting** efforts to identify and resolve issues effectively.
- **Done code and/or schematics refactoring** to quickly address the components shortage problem.

MANAGER AND HANDYMAN

Agriturismo alla Solagna - <https://allasolagna.it>.
Colli del Tronto, Ascoli Piceno, Italy | 2000 - 2013

I have started and managed the family agritourism, taking care of manual work, B2B with online booking services, management, creation and distribution of advertising material, organization and conduct of events, etc.

Currently, the business is managed by my sister and I collaborate sporadically when needed.

INFANTRY SOLDIER AS A MAINTAINER WORKER

Italian State. Verona, Italy | Mar 2003 - Dec 2003

EDUCATION

MASTER DEGREE IN ELECTRONIC ENGINEERING

University of Bologna. Bologna, Italy | 2009 - Present

I have not completed my studies as I have been called for the job offer at the company where I currently work, which is located 5 minutes from home and in an area where the job opportunities in this field are not so extensive

BACHELOR DEGREE IN ELECTRONIC ENGINEERING

University of Bologna. Bologna, Italy | 2001 - 2008

CERTIFICATES & COURSES

Embedded C Programming Design Patterns -

<https://ude.my/UC-d05ef07d-45bf-4bf0-bad4-1dc908c57e64>

Ultimate Embedded Firmware DevOps Infrastructure -

<http://ude.my/UC-4afe77f9-4a5c-442e-8b85-42d019259aaa>

nRF Connect SDK Intermediate -

https://academy.nordicsemi.com/check-certificate/7019A867CD01FA5-7019A867726FC60-11EFA0106E36E8_38

Cellular IoT Fundamentals -

<https://academy.nordicsemi.com/check-certificate/7019A86769CE599-7019A8670C69A88-7019A866B0D72D8>

nRF Connect SDK Fundamentals -

<https://academy.nordicsemi.com/check-certificate/7019A86769CE46C-7019A866B1C1B91-7019A866B0D72D8>

HONOURS & AWARDS

Awarded with the 3th place in the Make it Matter! contest using a Nordic Semiconductor DK and it's Zephyr based SDK, to develop a Matter enabled Smart Terracquarium: MatTerraquarium - <https://www.hackster.io/contests/makeitmatter>

PUBLICATIONS

HapticLib: a Haptic Feedback Library for Embedded Platforms

In Proceedings of the ACM Symposium on Applied Perception (SAP '13). Leonardo Guardati, Silvio Vallorani, Bojan Milosevic, Elisabetta Farella, and Luca Benini. 2013.
<http://doi.acm.org/10.1145/2492494.2501882>

OTHER

Driving licenses: A (motorcycle) and B (car)
Blood donor