



# Marco Geremia

Firmware Developer

- 📍 Cittadella (PD)
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## Profiles

[in xomcar](#)

[xomcar](#)

## Technologies

### C Language

### Go Language

### Linux

### Python Language

### Bash Shell

### ARM Assembly

### Rust Language

### Zig Language

## Interests

Economics

Electronics

History

Electric Bass

Skateboarding

Videogames

## Languages

Italian

Native

English

C1

## Summary

I am a very curious individual who loves learning new things. I am passionate about the intricacies of low-level development and optimization, but don't dismay the benefits of high level languages when it comes to automating development processes and simplifying procedures. I love getting stuff done, as good and as quick as possible.

## Soft Skills

|                      |                      |               |
|----------------------|----------------------|---------------|
| Works well in a team | Gives feedback       | Independent   |
| Meticulous           | Takes accountability | Curious       |
| Proactive            | Fast learner         | Likes helping |

## Hard Skills

|                      |                 |                      |
|----------------------|-----------------|----------------------|
| Software development | Problem solving | Process automation   |
| Debugging            | Unit testing    | ASPICE and ISO 26262 |
| Technical support    | Agile workflow  | Documentation        |

## Job Experience

**Infineon Technologies** 2024/04/03 - Present  
Specialist Firmware Developer Padua

- Proprietary **Cortex-M23/33** SoC for automotive applications
- Firmware bootrom development (**C - ASPICE** compliant)
- Firmware application development (**C - ASPICE** and **FuSa** compliant)
- Firmware testing (**Tessy**) and debugging (**Keil**)
- Firmware architecture and design (**Enterprise Architect**)
- Scripting automation using **Python**
- CI/CD using **Jenkins**

**M31** 2022/10/01 - 2024/04/02  
Junior Firmware Engineer Padua

- Customer-tailored medical analysis devices
- Firmware development (**Cortex-M7 - STM32**) for proprietary boards
- Maintenance of embedded **Linux** platform (**buildroot - iMX**)
- System level application development for **Linux** in (**Go - gRPC**)
- System level application development and maintenance for **Linux (C)**
- Testing and validation automation using **Python**
- Development of 3D simulation application in **Go (g3n-engine - OpenGL)**
- CI/CD using **Bitbucket Pipelines**

## Education

**Master's Degree in Control Systems Engineering** 2022  
Rigidity theory in presence of noise for localization and control of multiagent systems Università di Padova

**Bachelor's degree in Computer Engineering** 2020  
Analisi di messaggi CAN di macchinario di movimentazione di container per la supervisione dei processi di un terminal Università di Padova