

# Marcin Bober

Embedded Software Developer



## About me

Ever since I was young, I've been fascinated by electronics. I enjoy building and designing my own gadgets, especially working with microcontrollers and creating robots. In my free time, I love automating my smart home and experimenting with Linux systems and open-source software. I'm also a huge fan of cars and enjoy working on my own homelab setup.

## Interests

Linux Embedded  
Skiing  
Photography  
HomeLab  
SmartHome

## Languages

Polish | Native  
English | B2

MarcinBober.pl  
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 marcin-bober

## SHORT RESUMÉ

04.2022 - now

### Embedded Software Developer

A4BEE Sp. z o.o. · Wrocław (Remote)

Lead embedded programmer, architecture creation, Linux Embedded, training of new employees, creating industrial IoT systems, MTP data structures, MQTT, OPC UA



05.2021 - 03.2022

### Software Developer

MERIT AUTOMOTIVE ELECTRONICS SYSTEMS · Kraków

Maintenance and code refactor in C lang, creating unit tests, developing QT application, porting the current embedded system to the new architecture, MISRA



## DEGREES

2023

### Master's degree

IT AUTOMATION SYSTEMS · Wrocław University of Science and Technology



2022

### Bachelor's degree

CONTROL ENGINEERING AND ROBOTICS · Wrocław University of Science and Technology



## PROGRAMMING

C++ 20



C



Python



Rust



QT



Latex



## CERTIFICATES & TRAININGS

04.2024

### Linux w Systemach Embedded

BIS-LINUX.COM

Yocto, Buildroot, SDK, configuring kernel and U-Boot, editing DeviceTree

09.2023

### C dla Zaawansowanych

UCGOSU.PL

Mastering the C language and tools used to program microcontrollers

08.2022

### MikroTik Certified Network Associate

MIKROTIK WARSAW TRAINING CENTER

Knowledge of: TCP/IP, Firewall, QoS, Routing, VPN

07.2022

### ZASADY PROJEKTOWANIA ELEKTRONIKI POD KĄTEM EMC

EMC FOR BUSINESS/AKADEMIA EMC

EMC compliant PCB design and programming

06.2022

### AWS Academy Graduate - AWS Academy Cloud Foundations

AMAZON WEB SERVICES (AWS)

Basic knowledge of AWS, building cloud architecture

## MICROCONTROLLERS

STM32

HAL & Bare-Metal



ESP32

ESP-IDF



RP2040

PicoSDK



ATSAM

HAL



## EXTRA SKILLS

Yocto, Buildroot, OpenEmbedded

Git, CMake, Basic of FreeRTOS

Docker & Docker Compose

Proxmox, Grafana, Influx

3D design & printing

Basic of PCB design

SEP 1kV

Category B driver's license

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I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).