

CV - Mróz Krzysztof

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Experience

- 2024 IX - NOW() - **Senior Embedded developer** at [Nokia](#).
 - Mostly investigating and fixing bugs in complex BTS software at C level.
 - **Tech stack:** C, make, git, Linux From Scratch.
- 2021 IV - 2024 IV - **Senior Embedded developer** at [Assa Abloy](#).
 - Development of secure communication stack for IOT and firmware update.
 - **Tech stack:** C, cmake, EDHOC, OSCORE, coap, cbor, NRF52/NRF53, Zephyr, freeRTOS, BLE, Node.js, python.
- 2019 III - 2020 XII - **Embedded Developer** at [R.S.X./KAYON](#).
 - Creating BLE based communication protocol, lots of device drivers, embedded GUI widgets.
 - **Tech stack:** STM32, C, make, BLE.
- 2016 VII - 2019 II - **Python Developer** at [ADVA Optical Networking](#).
 - Developing backend in Tornado, libraries and doing research for other teams to speed up development and testing.
 - **Tech stack:** python, Tornado, robot framework.
- 2016 I - 2016 VI - **Dveloper** at **SDC**
 - Development of automatic test suite and desktop GUI for microserver.
 - **Tech stack** python, chromium embedded framework, JS, RS485.
- 2014 XII - 2015 XII - **UEFI BIOS Developer** at [Intel](#).
 - Developing own driver for Intel ME remote sata secure erase.
 - **Tech stack:** C, UEFI.
- Other side jobs/one offs: **Technician** at **events and concerts** - setting up, taking care of multimedia hardware, few small **web pages**.

Technical skills

- **Senior:** C programming, OSCORE (Object Security for Constrained RESTful Environments), EDHOC (Ephemeral Diffie-Hellman Over COSE), CoAP, CBOR.
- **Mid:** zephyr, FreeRTOS, Python, make, cmake, bash, ARM - STM32/NRF52/NRF53, OSCORE, EDHOC, BLE.
- **Junior/hobby:** - C++ (I`am learning it right now), Linux server administration, KiCad, arduino/esp32, PHP, MySQL, FreeCAD.

Education

- 2010 - 2014 - **Bachelor of Electronics and Telecommunication** at [WETI PG](#).

Soft skills

- **ability to manage** and **organize** short project-oriented small teams - eg. Sierpień Opensource was a 2 month, seventeen person project meetup created by me.
- Self taught technology teacher and community animator.

Hobbies/Other

- Long time active member of [Hackerspace Pomorze](#), for some time I was even a **Board Member**.
- Spreading technical knowledge and : and conducted dozens of technology related workshops, presentations, hackathon in cooperation wit [Robotics Society Skalp](#), - eg. IOT with rpi zero W at **Woodstock**, IOT workshops using esp32.
- I am **Linux guy**, in love with UNIX philosophy.
- Interested in creating whole solutions - starting from electronics, through embedded software all the way up to system/PC/cloud integration.
- I've been a scout, ice hockey player, rugby player, cat lover and now even 32 year old unofficial member of a [students scientific association of operational oceanography](#) - working on making it official.