



# Marek Sawicki

Electronics Designer

## SKILLS

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- Electronics design in Altium Designer, own license Altium Designer 21.5.1
- Knowledge of PCB manufacturing technology, impedance control, special laminates, HDI, blind and buried vias
- Microcontroller programming in C/C++
- Knowledge of the AVR, Cortex-M, Cortex-A microcontrollers architecture.
- Design and integration of mechanical elements in Autodesk Fusion
- Assembly of prototypes using hand tools, stencils print and reflow soldering
- Prototype of aluminum and plastic parts using CNC machines

## HOBBY

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- Embedded Linux, CNC, production automation and robotics
- Orchestral music, cabaret comedy, accounting

## PROFILE

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A highly skilled and self-sufficient designer with 12 years of experience in the development of advanced electronic devices and components. Possesses a comprehensive understanding of relevant disciplines, enabling seamless collaboration with programmers, mechanical engineers, and contractors to meet complex project requirements effectively.

## EXPERIENCE

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### Enamor International

- Designer of the WRK-01 router mechanics for the ALC-T, a project that meets the climatic, mechanical and EMC requirements according to the OIB military standard
- Electronic designer for the Plumla NGN, dedicated PCIe card with Intel Arria 10 fpga, DDR4, QSFP+, mechanical integration, prototype assembly, production preparation

### Msawiko Electronic

- Implementation of Totupoint device production.
- Electronics of the Beyond Humanity Colonies board game, preparation and implementation of production

### Military University of Technology

- Participation in the project "High-tech metrological devices for measuring and generating time intervals with picosecond precision"
- Participation in the project: System for managing psychological profiles of soldiers with the development and use of the "HEALTH-CHIPS" technology

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## EDUCATION

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- 2010 – 2015, PhD studies at the Faculty of Electronics of the Military University of Technology, major: electronics
- 2005 – 2010, Master's degree studies at the Faculty of Electronics, Military University of Technology, specialization in telecommunications systems
- 2000 – 2005, Marshall Józef Piłsudski School Complex No. 3 in Mława, specialization in electronics

## Contact

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