



## Dmitry Mihal

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31 year

## HARDWARE + FIRMWARE VERSATILE ENGINEER

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**Areas:** full-stack development, IoT, EIoT, radio control devices, LED lighting, Smart home, ISM RF 433/868/2.4G, USB, RS485, RS232, Ethernet, BT, WiFi, GPS, GSM, motor control, automotive, 3D and mechanical design.

- 6+ years in development with C in low-level programming (embedded + MISRA)
- 2+ years in development with C++
- 6+ years in development with Delphi (PC Win 32/64)
- 2 years experience in development with ASSEMBLER
- 1+ years experience in development with C++ (MCU, Win)
- 8+ years experience in hardware, schematic, PCB, production technology SMT, THT.
- 4+ years in hardware manual testing
- 3 years in HTML/CSS
- 3 years in UX/UI Design
- HW Product Owner with 3 years of experience

Technologies: MCU: STM32 (F03x/F10x/F40x/L152/G), STM8, AVR, Microchip, Xilinx FPGA, CPLD. PCB design in Altium Designer, P-CAD 2006. Software: AutoCAD, SolidWorks, IAR, KEIL, CORELDRAW, PHOTOSHOP, Proteus.

### Education

Higher education

2011 Minsk State Higher Radio Technical College, Minsk

Teacher of electronics / radio engineer

- **Languages**

English – B1 / Russian, Belarusian - fluent

- **Experience**

Total: **8 years+** in development of electronic devices

**November 2019 – October 2020: “Professional Software Associates Inc. (PSA)”, Minsk**

**Embedded Software Engineer**

Software and electronic device development. C, C++, Delphi, QT. Creating a BSP under Linux.

**Augus 2019 – September 2019: “Fantogramma”, Minsk**

**Design Engineer R&D**

Development of AR specific device. Full stack development. Prototyping, selection of components.

**Febriary 2019 – May 2019: “Promwad”, Minsk**

**Schematic Engineer**

Development of electronic devices(schematic and block-diagrams). Writing technical specification (Polarion), evaluation of the development of new devices.

**May 2016 – May 2018: “Nootehnika”, Minsk**

**Lead Design Engineer**

Development of electronic devices (Smart Home and IoT direction). Writing technical specification for new device, co-ordination of development works department.

**August 2011 - September 2015: “Nootehnika”, Minsk**

**Design Engineer**

Development of electronic devices (Smart Home and IoT direction). Technical support. Preparation of promotional material and stands. Production of stands for testing and calibration.

**September 2008 - December 2008 DMT Trading, Minsk**

**Technician**

Development of electronic devices.

**November 2007 - August 2008: Institute of Physics of B.I. Stepanova NAS of Belarus (fotosensors and display technologies laboratory),Minsk**

**Technician**

Development of electronic devices to control LEDs and light sources.