



MARKO BJELICA

SOFTWARE DEVELOPER

PROFILE

I am a motivated beginner in embedded and web development, with a strong interest in building software solutions that connect hardware and online services. I am focused on learning and improving in modern web application development and backend APIs, as well as integrating microcontrollers and IoT devices with web systems. I am looking for an opportunity to grow in a professional environment, contribute through hands-on work and teamwork, and gradually develop into a reliable full-stack and embedded engineer.

EDUCATION

September 2013 - June 2017

High school gymnasium "Aleksa Santic", Nevesinje

October 2017 - expected 2026

Faculty of Technical Sciences, University of Novi Sad
(Measurements and Regulation)

WORK EXPERIENCE

• Embedded & IoT - EasyPIC PRO v7 + Compass 2 (I2C System)

- Developed C firmware for I2C sensor communication
- Integrated magnetometer module and processed real-time data
- Output orientation data for monitoring and testing
- Gained experience with embedded protocols and microcontroller systems

• IoT System Prototype

- Connected sensors to microcontroller and transmitted data to web interface
- Displayed live values on custom web dashboard
- Applied embedded-to-web integration concepts

• Personal Web Project - React (Vite) & Tailwind CSS

- Built a responsive personal portfolio website using React (Vite) and Tailwind CSS
- Designed and implemented modern UI components and smooth layout structure
- Practiced component-based architecture and reusable design patterns
- Implemented responsive design principles for optimal display across devices
- Used Git & GitHub for version control and project maintenance

SKILLS

Programming & Development:

C / C++ (embedded), JavaScript (ES6+), React (Vite), Tailwind CSS, HTML, CSS, Responsive Design

Embedded Systems:

Microcontroller programming (PIC), mikroC PRO for PIC, I2C communication, Sensor interfacing, EasyPIC PRO v7, Debugging & serial monitoring

Tools & Workflow:

Git & GitHub, VS Code, mikroC IDE, Arduino IDE, Project organization

CONTACT

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Birth Date:

- 02.10.1998

GitHub:

<https://github.com/MarkoBjelica98>

LinkedIn

www.linkedin.com/in/marko-bjelica-55143ab8

LANGUAGES

- English (C2)
- Serbian (Native)

SOFT SKILLS:

- Problem-solving mindset
- Fast learner
- Proactive
- Team collaboration
- Attention to detail