MARKO BJELICA

SOFTWARE DEVELOPER

CONTACT

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Birth Date:

- 02.10.1998

GiHub:

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

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 compass 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), Python (FastAPI), 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

Databases & Backend:
PostgreSQL, Basic SQL queries, Data storage concepts

Tools & Workflow:
Git & GitHub, VS Code, mikroC IDE, Arduino IDE, Project organization