Marko Popović



Email: marko@overflow-labs.com

Croatia, Funtana

Education

Master's Degree in Electronic and Information Technologies
University of Rijeka, Faculty of Maritime Studies
Year of Graduation: 2022

High School in Economics
Poreč
Year of Graduation: 2015

Work Experience

Employment Period: 2025 – present

- Technical lead of the electronics department within the Research and Development team.
- Design and development of electronic systems for LED lighting products, including LED drivers, control electronics, and complete lighting solutions.
- PCB design from concept to production, including schematic design, PCB layout, prototyping, testing, and preparation for manufacturing.
- Development of custom LED driver solutions tailored to specific lighting applications.
- Collaboration with mechanical and industrial design teams to integrate electronics into final products.
- Task planning, tracking, and team coordination using JIRA, including creation and management of development tasks and workflows.
- Use of professional design tools for electronics and mechanical integration:
    - PCB & Electronics: Altium Designer, KiCad
    - Mechanical & Integration: SolidWorks
    - Technical Drawings: AutoCAD
- Participation in product validation, troubleshooting, and continuous improvement of existing designs.

Almar d. o. o. – Specialized retailer of navigation and telecommunications equipment for the maritime industry
Position: Engineer, Project Designer, and Administrator
Employment Period: (2022 – 2025)

- Participated in projects for equipping newly built ships and renovating equipment on ships undergoing maintenance.
- Actively involved in all project phases: from designing the conceptual project, creating schematic diagrams for device connections, delivery of equipment, installation, commissioning, to crew training on using the equipment.
- Contributed to the development of in-house products, including maritime navigation and telecommunications devices and systems.
- Website administration, communication with suppliers, clients, and shipyards.
- Participated in the development of electronics for smart warehouses in collaboration with Slovenian partner PLT, including designing electronics for precise control of three-phase motors and electronics for controlling linear actuators for warehouse transport carts.

PLC and HMI Programming Development

- Developed and implemented PLC programs (Fatek) for controlling the paper cutting process with blade sharpening, piece counting, and managing systems for precise processing.
- Programmed HMI interfaces (Wecon) for user interaction and real-time process monitoring.

Volunteering

Pozitron Technology Center – Poreč
Position: Volunteer / Association Leader
Volunteering Period: 2024 – present

- Leading workshops for children from 1st grade of primary school to 2nd grade of high school in the fields of technology, programming, and robotics.
- Main project: LEGO robotics – mentoring children in assembling and programming robots using LEGO sets.
- FGC2026 – Mentor for Croatian National Team for World Championship in South Korea
- Developing and expanding workshop offerings, including 3D modeling, computer science, Arduino projects, and other technology-based activities.
- Responsible for association management, coordinating teams, financial and administrative operations, and organizing new projects.

Skills

- **Computer Skills:** PLC programming (Fatek), HMI interface development (Wecon), design and management of electronic systems for maritime applications.
- **Engineering Skills:** Design and implementation of electronic systems for maritime applications, development of navigation and telecommunications equipment.
- **Software Skills:** Microsoft Office, basic knowledge of CAD software for schematic design, tools for electronics development, and PLC programming.
- **Programming:** Web applications (HTML, CSS), mobile applications (Android Studio), C#, Arduino, microcontrollers.
- **Languages:**
    - **English:** Advanced (spoken and written)
    - **German:** Intermediate (spoken, basic written)
    - **Italian:** Basic (spoken communication, basic written)

Additional Information

- **Volunteering Experience:** Leader and mentor at Pozitron Technology Center, focusing on STEM education for children.
- **Hobbies:**
    - FPV drones – design and operation
    - 3D modeling and printing
    - Programming web and mobile applications
    - Programming microcontrollers
- **Driver's License: Category B**