EGOR SADYREV

Electronics engineer, Hardware developer

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Location: Batumi, Georgia

SUMMARY

Experienced hardware engineer with a proven track record of leading projects throughout the entire product lifecycle, from concept development to mass production.
Skilled in analog and digital circuit design, PCB layout, and firmware development. Seeking job opportunities in local, remote, or relocation positions.

WORK EXPERIENCE

November 2022 — now

Freelance

- Working as a PCB librarian, creating schematic symbols and footprints for large ICs.
- Preparing design documentation.

Key skills/tools: Altium Designer, OrCAD, Autodesk Eagle, PCB library, technical writing.

March 2021 — October 2022

Principal Hardware Engineer   **«TEKO» (Russia)**

- Led a team of hardware and firmware developers.
- Designed analog and digital circuit, performed PCB layout using Altium Designer.
- Gathered and analyzed design specifications.
- Collaborated with the operations team on manufacturing, activities and maintained direct communication with PCB contract manufactures.
- Managed project focused on sensors development for industrial and automotive applications.
- Provided support to sales and marketing teams.
- Notable recent projects:
    1) Ultrasonic liquid level sensor with cellular and RS-485 communications.
    2) Led the development of a series of digital and analog ultrasonic sensors.

Key skills/tools: Electronic hardware development, PCB Layout, Firmware development, Project management, Testing, Altium Designer, SOLIDWORKS, LTspice, technical writing.

January 2018 — March 2021

Senior Electronics Engineer   **«TEKO» (Russia)**

- Designed analog and digital circuit, performed PCB layout using Altium Designer.
- Conducted components selection, created BOM, developed design documentation.
- Firmware development using C/C++.
- Created test plans and procedures.
- Collaborated with the mechanical design team to ensure PCB fit.
- Designed custom transformers.

Key skills/tools: Electronic hardware development, PCB Layout, Firmware development, Testing, Altium Designer, SOLIDWORKS, LTspice, Python, C/C++, technical writing.

February 2013 — December 2017

Electronics engineer   **«ELECTROMASHINA» (Russia)**

- Designed fire alarm and fire protection systems for railway industry.
- Selected components, created BOM, performed circuit design using Altium Designer.
- Ensured compliance with fire protection and railway regulations and standards.
- Developed verification procedures to ensure the functionality and compliance of fire protection and railroad systems.
- Completed all design documentation.

Key skills/tools: Electronics, hardware development, working in regulated industry, Altium Designer, technical writing.

EDUCATION

2008 — 2013

South Ural State University   **Chelyabinsk, Russia**

Bachelor's degree, School of Electronic Engineering and Computer Science