

EGOR SADYREV

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Electronics engineer, Hardware developer

SUMMARY

I am an experienced hardware engineer looking for a job (remote or relocate opportunity). My expertise lies in analog and digital circuit design, PCB layout and firmware development. Leading projects throughout the full product lifecycle, from the concept to mass production.

WORK EXPERIENCE

November 2022 — now	Freelance	
	<ul style="list-style-type: none">Working as a PCB librarian, create symbols and footprints for big ICs;Prepare technical documentation in accordance with standards.	
	Key skills: Altium Designer, OrCad, PCB library, technical writer.	
March 2021 — October 2022	Hardware lead	«NPK TEKO» (Russia)
	<ul style="list-style-type: none">Lead the team of hardware and firmware developers;Analog and digital circuit design, PCB layout using Altium designer;Grab design specifications;Work with the operations team on manufacturing, communication with the contract factories (PCB manufacturing, PCB assembling);Project management for the sensors development for industrial and automotive applications, assist sales and marketing with project cost and time estimation.Recent completed projects:<ol style="list-style-type: none">1) Ultrasonic liquid level sensor for distance 12 meters (GSM, RS-485).2) Series of ultrasonic sensors with push-pull and analogue output signals.	
	Key skills: Electronics, Hardware development, Circuit design, PCB Layout, Firmware development, Project management, Testing, Altium Designer, SolidWorks, LtSpice.	
January 2018 — March 2021	Senior electronics engineer	«NPK TEKO» (Russia)
	<ul style="list-style-type: none">Analog and digital circuit design, PCB layout using Altium designer;Create bill of materials, select electronics components, complete all documentation for design;Firmware development using C/C++;Create detailed test plans, develop procedures for the product;<ul style="list-style-type: none">• Work with the CAD team on assembling drawings;Custom transformer design.	
	Key skills: Electronics, Hardware development, Circuit design, PCB Layout, Firmware development, Testing, Altium Designer, SolidWorks, LtSpice, Python, C/C++.	
February 2013 — December 2017	Electronics engineer	«NPO ELECTROMASHINA» (Russia)
	<ul style="list-style-type: none">Design of fire alarm and fire protection systems for railway rolling stock;Select electronics components, create bill of materials, circuit design using Altium designer;Work within a regulated industry, following fire systems standards;Develop design verification procedures to ensure the functionality of systems;Complete all documentation for design work created.	
	Key skills: Electronics, Hardware development, Circuit design, Regulated industry, Altium Designer.	

EDUCATION

2008 — 2013

South Ural State University

Chelyabinsk, Russia

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