

Dmitrii Lisin

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Since childhood, I'm in love with programming. Started my career as an intern in an electronics design company, I found out that I love to create something that works in real life, not just inside my computer. Have finished a lot of embedded projects from different spheres and had deal with a numerous of instruments, protocols and peripherals. Has always been intended to write only high quality and human-readable code. Had an experience as a team leader, but prefer to work as an equal part of team.

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SKILLS

EMBEDDED DEVELOPMENT	C/C++, Zephyr, FreeRTOS, STM32, Nordic, Real-time protocols, Industrial protocols, Stack only programming
PYTHON DEVELOPMENT	FastAPI, Pydantic, ORM, WAMP protocol, Async, Threading
CI/CD	Docker, Docker Compose, Github Actions, Gitlab Pipelines
WEB DEVELOPMENT	HTML, CSS, JavaScript, Typescript, React, Parcel, Rollup
RUST	Tauri
COMMON	VSC, Gitlab, Github, Reviewing, Linux, Reading schematics, Datasheet exploring

EXPERIENCE

Team leader Jan 2020 - Present

Developed a flexible testing system for embedded electronics based on distributed micro-services connected by PubSub/RPC Web-protocol.

- Robster: flexible testing system for electronic devices (Python, WAMP, Microservice, Docker, PostgreSQL)
- Gate valve controller (ARM, STM32, Zephyr, Modbus)
- GPS tracker for a professional training (ARM, Nordic, GPS, UBlox, Ant)

Embedded Software Developer Jan 2013 - Jan 2020

Have been finished more than 20 commercial projects in embedded area including IoT, safety systems, shipbuilding.

- Pastilda: hardware password manager (STM32, ARM, Crypto Peripheral, SDIO, FatFS, FreeRTOS)
- Ship ruder control system (ARM, STM32, USB HID, FreeRTOS)
- Fire alarm system (ARM, STM32)
- MTUTA: Telemetry of vending machines (ARM, FreeRTOS, USB, SD, SIMCom, GSM, Ethernet, FTP)

EDUCATION

ITMO University

Jan 2016 - Jan 2018

Master - Intelligent Technologies in Robotics

ITMO University

Jan 2012 - Jan 2016

Bachelor - Intelligent Technologies in Robotics

LANGUAGES

English
Fluent

Russian

INTERESTS

Games

Books

Traveling

Hobby programming

REFERENCES

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— Ivan Larionov, LLC "Third Pin" CEO