

Dmitrii Lisin

Software Programmer, Embedded Programmer

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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.

SKILLS

Embedded Development

Master

C/C++ | Zephyr | FreeRTOS | STM32 |
Nordic | Real-time protocols |
Industrial protocols |
Stack only programming

Python Development

Advanced

FastAPI | Pydantic | ORM |
WAMP protocol | Async | Threading

CI/CD

Intermediate

Docker | Docker Compose |
Github Actions | Gitlab Pipelines

Web Development

Intermediate

HTML | CSS | JavaScript | Typescript |
React | Parcel | Rollup

Rust

Beginner

Tauri

Common

VSC | Gitlab | Github | Reviewing |
Linux | Reading schematics |
Datasheet exploring

WORK EXPERIENCE

2020 - Current

Team leader at LLC "Third Pin"

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)

2013 - 2020

Embedded Software Developer at LLC "Third Pin"

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)

PROJECTS

Pastilda

2016 - 2017

🔗 https://bitbucket.org/thirdpin_team/pastilda (https://bitbucket.org/thirdpin_team/pastilda)

Skills acquired: C++ | Embedded | Open-source

Open-source hardware designed to manage our credentials in handy and secure way.

Just Run My Debugger!

2021 - Current

🔗 <https://github.com/ila-embsys/justrunmydebugger> (<https://github.com/ila-embsys/justrunmydebugger>)

Skills acquired: Rust | Rescript | Tauri | React

Pet project, simple GUI for OpenOCD debugger.

EDUCATION

Master Intelligent Technologies in Robotics at ITMO University
2016 - 2018

Bachelor Intelligent Technologies in Robotics at ITMO University
2012 - 2016

LANGUAGES

English
Fluent

Russian
Native Speaker

INTERESTS

Games

Books

Traveling

Hobby programming

REFERENCES

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Ivan Larionov, LLC "Third Pin" CEO