Dmitrii Lisin

Software Programmer, Embedded Programmer

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Since childhood, I've been in love with programming. When I began my career as an intern at an electronics design firm, I discovered that I enjoyed creating something that worked in real life rather than just inside my computer. I have finished a lot of embedded projects from different spheres and dealt with numerous instruments, protocols, and peripherals. It has always been my intention to write only high-quality, human-readable code. Had prior team leadership experience, but preferred to work as an equal member of the team. In my free time, I also prefer to extend my knowledge of programming languages, techniques, and trends by working with hobby projects.

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

> " … "
>
> **Ivan Larionov, LLC "Third Pin" CEO**