

# 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) ([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**

<b>English</b> Fluent	<b>Russian</b> Native Speaker
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**INTERESTS**

<b>Games</b> Hobby programming	<b>Books</b>	<b>Traveling</b>
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