

# KIRILL NIKIFOROV

Software Engineer



## Contacts

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## Links

🌐 About me  
🐙 GitHub  
🌐 LinkedIn

## Skills

🔗 C++, Go, SQL, Bash, Python, PHP  
🗄️ ClickHouse, PostgreSQL, MySQL, Redis  
⚙️ Linux, Windows  
🏠 Mikrotik, OpenWRT

## Languages

🇷🇺 Russian - Native  
🇬🇧 English - B2

## EXPERIENCE

### T1-Group

Commercial solution for manage public transport and communal vehicles.

Full-time, Software Engineer

GoLang, PHP, ClickHouse, PostgreSQL, Redis, GitLab CI/CD, Linux, Kubernetes

DEC 2021 – PRESENT

I've migrated telematics storage system to ClickHouse from MongoDB and developed new fast and stable reports system what boosted the performance up to 20x for the users.

Also, I worked with clusters of Linux servers, wrote a few Prometheus exporters and internal tools.

- Worked closely with all departments
- Communicated with external services teams
- Software development
  - Developed high-load distributed system
  - Refactored low-performance Data lake
  - Optimized data processing processes
- DevOps
  - Supported high-load ClickHouse cluster
  - Introduced Kubernetes
  - Worked with GitLab CI/CD
  - Worked with Linux servers

### ClickHouse

Contributor

C++

- Developed DNS cache system table
- Improved partition management possibilities
- Refactored integration with MongoDB

### Significant pet projects

Smart home ecosystem

C, ESP8266, Python, HTML, JS, Java

2019-2020

- Hardware design of devices
- Firmware
- Coordination server
- Web interface
- Android app

Cat tray tracking system

Go, Raspberry PI

2023

- Scale and platform design
- Weight based algorithm
- Alerting system

Presentation generator for real estate objects

JS, HTML, Python

2020

- Scrapper in chrome extension
- Web based editor
- PDF generator

### Cheapcherrybooks - online store

Freelance, Fullstack Developer

PHP, JS, HTML, MySQL, OpenCart

2020