



# ROZHKOV DMITRII

RUST/GO/C++ BACKEND & BLOCKCHAIN ENGINEER

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## EDUCATION

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Ulyanovsk State Technical University

Master degree in Computer Science and Facilities

Ulyanovsk, Russia

Sep 2003 – Jun 2010

## PROFILE

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I am a more than 19 years experienced back-end developer. I have a background mainly in network and fin-tech services, blockchain. Currently prefer Rust and C++ but also quite good at python - have several projects written on python. I'm fond of Clean Code, SOLID principles and Design Driven Development. Able to establish processes and manage small team. I'm looking for company of hard-working and well rewarding labor culture. I'm self-organized and outgoing person, always able to find a balance between quality and rushing for the quick result for the company sake.

## SKILLS

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**Computer languages:** Rust, Go, C++, Python, pine-script(Trading View), solidity, java-script, action-script, lua, lisp, assembler

**Tooling:**

- **Rust:** clap, serde, tokio, syn/quote
- **Build:** cargo, cmake, qmake, GNU make
- **Test and Debug:** sanitizing, mock-all, google test, google mock, boost test framework, cucumber; wireshark(tshark), netcat, [t|wire|shark, tcpdump, lsof, gdb, strace; TDD/BDD
- **Queues:** Kafka, RabbitMQ
- **DB:** PostgreSQL, clickhouse, prometheus, mysql, firebird, mongodb, tarantool
- **Version control:** git, svn, mercurial
- **CI/CD:** buildkite, GitHub Actions, GitLab CI
- **Virtualization:** vagrant, docker, docker-compose, Kubernetes/Helm
- **Solana:** Anchor, Solana Program Library, Metaplex Program Library, Raydium CPI, Address Lookup Tables etc.
- **Ethereum:** solidity, truffle, hardhat
- **Documentation:** Docosaurus, Pelican
- **Analytic and logs:** Prometheus, Grafana, Elastic Search(Kibana), Google analytics, Matomo; [Vector](#)

**Foreign languages:** English B2 Upper Intermediate

## EMPLOYMENT HISTORY

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### [Xyber Labs](#)

Senior Staff Engineer aka [XyKeeper](#)

International

Feb 2025 – Present

- **Xyber Platform.** AI Agent and MCP server management platform. Base architecture design described as scenarios: Infrastructure Layer (TEE), Agent Layer (cascade interaction, credit economy). [Presentation](#).
- **0-100 Engine & Income Dispatcher.** Architecture design and Solana smart contract implementation for agent tokenomics. Raydium CPI integration.
- **Xyber Genesis Sale.** Smart contract development and sale execution (Fully Refunded).
- **Onchain Xyber Points.** On-chain points system, Xyber Staking, and related contracts.

### [Entangle Ltd.](#)

Senior Rust Developer → Senior Staff Engineer

International

Feb 2024 – Feb 2025

- **Cross Chain Messaging / UIP.** Solana smart contracts (gov-protocol), executor backend — receiving cross-chain messages, loading to Solana, initiating execution and control. Transmitter — event capture and relay to intermediate chain. New network onboarding and support.

- **Tron & TON Executor/Transmitter.** TON cell tree decryption and data structure handling, transaction preparation, execution control.
- **UTS (Universal Token Standard).** Architecture design and smart contract implementation.
- **UDF (Universal Data Feeds).** Solana oracle smart contract. Rust plugin for Go backend integration via FFI (cgo).
- **Genome project group.** On-chain tournament and competition support for gaming platforms (Minecraft, World of Tanks). Contractor management, requirements engineering, team coordination, code review. Genome and Genome Sale smart contracts.
- **Rust Unit Standards.** Developed coding standards for the Rust unit. Led a team of 5 Rust developers.
- **Infrastructure.** Helm chart configuration, pod deployment for new protocols, Grafana monitoring and incident resolution, GitLab CI/CD.

## Picodata

Senior Rust Developer

Russia  
2023 – Feb 2024

- Development of a large-scale banking application based on Tarantool database. Rust, Lua.

## ITPO group

Tokenomics and NFT management on [My Seven](#) marketplace

International, Dubai  
Dec 2022 – Jan 2024

- Tokenomics endpoint development: minting, transfers, burning, etc.
- NFT management endpoint development.

Rust, Solana Program Library, Metaplex Program Library.

## Komodo

[komodo-defi-framework](#) acting as multichain facilities of komodo Wallet and DEX

International, Amsterdam  
Mar 2023 – Oct 2023

- [komodefi-cli](#) a command line interface for the komodo defi platform, wallet and DEX
- [mm2 service](#) an intermediary service provides the komodo defi platform facilities

Rust, clap, serde, hyper, future01

## Neon labs

L2 Ethereum-compatible middleware based on [Solana](#)

International, Lisbon  
Sep 2021 – Sep 2022

- Restructuring design, IPC network layer of [Neon Proxy](#) (asyncio, tcp, pickle)
- Logging system (python, asyncio, vector, elastic search, kibana)
- Full test suite (Buildkite)
- Analytics gathering. (Prometheus)
- [Documentation](#). (Docusaurus)

## Infatica

Proprietary proxy services/agents and HFT services

International, Singapore  
Aug 2020 – Aug 2021

- **Infatica http proxy server:** ring buffer based http server (c++, nginx sources, libevent, google mock)
- **Infatica SDK:** library to be plugged into a desktop app to provide a proxy node (C++, Qt, google mock, google analytics, matomo)
- **Infatica Android SDK:** aar to be plugged into a Android app to provide a proxy node, research and development. (C++, Qt, JNI)
- **Infatica trading-desk:** a trading platform, design, management, research on strategies, implementing (python, asyncio, plotly dash, pandas, clickhouse, trading view hooks & pinescript, Finam api)

## IskraUralTel

Lawful interception systems on telephone and ip networks

Russia, Yekaterinburg  
Jun 2017 – Aug 2020

- Development facilities for: decoding, transcoding, arranging, encrypting, dumping, life-time management, storing statistics and payload of variety protocols and contents accordingly Russian and European laws (stl, boost, libcurl, libcrypto etc.). Testing them (google test and mock). Providing testing telecommunication environment (docker, freeradius server, netcat etc.) Making of interprocess communications, based, generally, on ASN1 and Google Protobuf. Making GUI to manage and debug interception in details (Qt).

## Gazprom Transgas Yugorsk

Corporate management systems

Russia, Yugorsk  
May 2012 – Aug 2017

- Logistic and carrying planning processes automation (1cEnterprise 8.3, javascript).
- Payroll and accounting processes automation (1C Enterprise 7.7)

## ***Simbirsoft***

**FXCM** - *project*

- Currency management operations transport layer (C++, xslt, libtpt)
- GUI with Adobe Flex SDK (action script)

Russia, Ulyanovsk  
*Nov 2010 – May 2012*

## **Polus-Service LLC.**

*e-commerce services and web analytics systems*

- Web sites analytic system. Server-side – processing, ranging and saving properly analytic packages(c++, qt-network, qt-service, qt-sql и др). Web site analytic agent (JavaScript)
- Household appliances trading processes maintenance system and online-store «*Polus*» (php, mysql, jquery, pure.js)

Russia, Ulyanovsk  
*Oct 2009 – Nov 2010*

## ***Ulyanovsk State Technical University***

*Computer center of computer science faculty*

- Adopting High performance computer cluster in educational process (Microsoft HPC Pack SDK, Microsoft HPC Server, mpich 1.2.5, c++, MPI , RSA algorithm)
- Cluster Management Panel Web Site (PHP, Microsoft HPC Server)

Russia, Ulyanovsk  
*Sep 2007 – Okt 2009*

## MY OWN PROJECTS

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### **Python logged groups** | [\*GitHub\*](#)

This package designed to facilitate logging inside classes and functions with @logged\_group decorator and also makes it possible to manage logging level and any different things for any logging domain mentioned in log\_cfg.json