Rozhkov Dmitrii

Rust/Go/C++ software developer

☎ +7 929 2477436 | @ rozhkovdmitrii@yandex.ru | 🔗 LinkedIn | GitHub | 📍 Yugorsk, Russia

Education

Ulyanovsk State Technical University — Ulyanovsk, Russia
Master degree in Computer Science and Facilities — *Sep 2003 – Jun 2010*

Profile

I am a more than 19 years experienced back-end developer. I have a background mainly in network and fintech 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

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, tcpreplay, 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

Xyber Labs — International
Senior Staff Engineer aka XyKeeper — *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. — International
Senior Rust Developer → Senior Staff Engineer — *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
Russia
Senior Rust Developer 2023 − Feb 2024
- Development of a large-scale banking application based on Tarantool database. Rust, Lua.

ITPO group
International, Dubai
Tokenomics and NFT management on My Seven *marketplace* Dec 2022 − Jan 2024
- Tokenomics endpoint development: minting, transfers, burning, etc.
- NFT management endpoint development.

Rust, Solana Program Library, Metaplex Program Library.

Komodo
International, Amsterdam
komodo-defi-framework *acting as multichain facilities of komodo Wallet and DEX* Mar 2023 − Oct 2023
- *komodefi-cli* a command line interface for the komoo defi platfrom, wallet and DEX
- *mm2 service* an intermediary service provides the komodo defi platform facilities

Rust, clap, serde, hyper, future01

Neon labs
International, Lisbon
L2 Ethterum-compatible middleware based on Solana Sep 2021 − Sep 2022
- Restructuring design, IPC network layer of *Neon Proxy* (asyncio, tcp, pickle)
- Logging system (python, asyncio, vector, elastic search, kebana)
- Full test suite (Buildkite)
- Analytics gathering. (Prometheus)
- *Documentation*. (Docosaurus)

Infatica
International, Singapore
Proprietary proxy services/agents and HFT services 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 provice a proxy node, reasearch 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
Russia, Yekaterinburg
Lawful interception systems on telephone and ip networks Jun 2017 − Aug 2020
- Development facilites 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, libcrypt etc.). Testing them (gooble test and mock). Providing testing telecomunicaton 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
Russia, Yugorsk
Corporate management systems May 2012 − Aug 2017
- Logistic and carrying planning processes automation (1cEnterprise 8.3, javascript).
- Payroll and accounting processes automation (1C Enterprise 7.7)

Simbirsoft   Russia, Ulyanovsk

FXCM - *project*   *Nov 2010 – May 2012*

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

Polus-Service LLC.   Russia, Ulyanovsk

e-commerce services and web analytics systems   *Oct 2009 – Nov 2010*

- 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)

Ulyanovsk State Technical University   Russia, Ulyanovsk

Computer center of computer science faculty   *Sep 2007 – Okt 2009*

- 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)

MY OWN PROJECTS

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