

Evgeniy Kramsakov

Senior Rust Engineer · Saint Petersburg, Russia · remote or hybrid

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ABOUT

Rust engineer with a background in applied cryptography. I build network and backend systems, from eBPF in the Linux kernel to services on Tokio and Kafka.

EXPERIENCE

Aug 2024 – present	Senior Rust Engineer · MTS Web Services (MWS) – Interview candidates, onboard new engineers and review code. Own the architecture of my service and contribute to the architecture of the whole service system. – Develop an eBPF/XDP traffic filter: kernel and userspace in Rust, SNI-based decisions from TLS ClientHello, events to Kafka. – Founded the MWS Rust guild with about 100 members: meetups and engineering practice discussions. – Report export: from 21 to 8 s and from 849 to 61 MB of memory. NetFlow collector: fixed a memory leak, peak down from 863 MB to under 100 MB.
Jan 2023 – Jul 2024	Rust Engineer · Scalable Solutions – Developed the Rust core of a 2-of-3 threshold signature scheme for a product for cryptocurrency exchanges: side-channel protection, execution inside an HSM.
Dec 2021 – Jan 2023	Cryptography Researcher · Demlabs – Researched post-quantum schemes for a blockchain and implemented lattice-based ring signatures in C.
Apr 2020 – Dec 2021 Saint Petersburg	Software Engineer · Practical Security Systems – Implemented the GOST Magma cipher in C for OpenSSL for secure data exchange between EAEU countries and evaluated it for side-channel leakage as part of certification. – Cut generation of a large volume of derived keys from 18 hours to 2 without deviating from the specification.

SKILLS

Languages	Rust, C, Python; also Go, C++, TypeScript
Networking	Linux, eBPF/XDP (aya), AF_XDP, TLS, DNS, NetFlow, OpenWrt, load-test rigs with TRex
Backend	Tokio, axum, PostgreSQL (SeaORM, sqlx), Kafka, Redis, S3, gRPC, OpenTelemetry
Cryptography	GOST, post-quantum, threshold and ring signatures, side channels, HSM
AI agents	Claude Code, Codex, OpenSpec: specification → compatibility tests → implementation → review

PROJECTS

Core War engine
An ICWS'94 assembler and simulator in Rust, checked against the reference pMARS.

VOLUNTEERING

May 2025 – present	IT Lead, Search Group Leader · LizaAlert, Saint Petersburg – Reviving the team's IT division since September 2026, search group leader since July 2026.
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EDUCATION

2015 – 2022	Peter the Great St. Petersburg Polytechnic University, Institute of Computer Science and Cybersecurity · Specialist degree, Computer Security – Thesis: the post-quantum isogeny-based SIDH protocol for a drone swarm. Reproduced the Castryck–Decru attack on it in July 2022.
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LANGUAGES

Russian	native
English	B1–B2: read and write technical documentation, little speaking practice