

# Ivan Korotkov

Senior Software Engineer / Backend Go Developer

## Contact

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## About

Go developer with experience in companies of all sizes, specializing in high-performance backend systems, microservices architecture, and infrastructure optimization. Proven track record of reducing costs and improving system performance.

**Tech Stack:** Go, TypeScript, PostgreSQL, Redis, ClickHouse, Kvrocks, Kafka, RabbitMQ, Docker, Kubernetes, gRPC, REST APIs, GraphQL, ElasticSearch, Git, Linux

**Practices & Skills:** Microservices Architecture, CI/CD, Unit Testing, Integration Testing, Performance Optimization, System Design, Data Structures, Algorithms, Concurrent Programming, Distributed Systems, Agile, Code Review, Technical Leadership, Mentoring

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## Experience

### Aviasales | Senior Software Engineer

Feb 2024 - Present

- **Project:** Travel metasearch engine - building core infrastructure for flight ticket search and pricing
- Architected company-wide ticket storage system; migrated from ClickHouse to Kvrocks (25% latency reduction, 30% cost savings)
- Modernized legacy services from Elixir/Ruby to Go (90% operational cost reduction)
- Optimized CI/CD pipeline (20-80% build time reduction)

### Protek | Senior → Lead Software Engineer

Nov 2022 - Feb 2024

- **Project:** Pharmaceutical distribution platform - modernizing supply chain management

systems

- Led team of 3 developers; conducted technical interviews and hiring
- Migrated core microservice to optimized DB schema (80% latency reduction, 100% throughput increase)
- Led PHP monolith to Go microservices migration

## MTS Digital | Middle Software Developer

Jul 2022 - Nov 2022

- **Project:** Telecom network management platform - automating configuration of base stations and network equipment
- Developed network device configuration platform (SSH, TELNET, SNMPv2)
- Resolved critical data races in legacy code

## IT-Swarm | Junior Software Engineer

May 2021 - Jul 2022

- **Project:** B2B marketplace platform - connecting businesses with IT service providers
- Developed backend services in Go and frontend admin panel in TypeScript/React
- Improved system performance: 75-80% faster startup, 2x data processing speed
- Streamlined deployment process, reducing testing cycles by 80-90%

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## Additional

**Education:** BSc Mathematics & Computer Science, Perm State University (2018-2022)

**Languages:** English (C2), Russian (Native), Serbian (Professional)

**Writing:** Active technical writer on Habr.com (Go programming, architecture)

**Open Source:** Contributing to personal Go projects and community tools on GitHub