

Kirill Belov

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Principal Backend Engineer | Engineering Manager

Backend & Cloud expert with 12+ years of experience building high-load distributed systems, leading engineering teams, and delivering scalable solutions for startups, fintech, and blockchain. Strong background in **Golang, AWS, Kubernetes, PostgreSQL, and event-driven architectures**. Proven track record of transforming business needs into technical solutions and driving products from concept to production.

Core Skills

- **Backend Engineering:** Golang, Python, PostgreSQL, MongoDB, Redis, gRPC, REST, WebSockets
 - **Cloud & DevOps:** AWS (Lambda, Kinesis, RDS, CloudFormation, CloudWatch), Docker, Kubernetes, CI/CD
 - **Blockchain & FinTech:** Ethereum (Solidity), Solana, tokenomics, algorithmic trading, DeFi protocols
 - **Leadership:** Team management, hiring, mentoring, stakeholder communication, agile processes
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Professional Experience

MPAX – *Principal Backend Engineer*

Hong Kong | Feb 2024 – Jul 2025

- Designed and optimized backend microservices (Golang, PostgreSQL, MongoDB), reducing latency of websocket services and improving scalability.
- Migrated core services from DocumentDB to RDS/Postgres, significantly improving performance and maintainability.
- Built event-driven architecture with AWS Kinesis; implemented crypto payment provider integrations.
- Developed real-time order streaming subsystem and advanced user notification platform.
- Led international cross-functional team, coordinated DevOps (AWS, CI/CD), and drove technical hiring.

Dokl (Startup Founder & CEO) – *AI-Powered EdTech Platform*

Remote | Apr 2024 – Oct 2024

- Built full-stack AI platform for generating and selling educational content.
- Integrated AI models, payments, and analytics; scaled platform to profitability within 6 months.
- Gained hands-on experience in product ownership, growth strategy, and end-to-end development.

PaulCamper GmbH – Backend Team Lead / Senior Golang Engineer

Berlin, Germany | Jun 2018 – Feb 2024

- Grew and managed backend engineering team; introduced performance reviews, mentorship, and SLA compliance.
- Increased backend SLA to **99.8%** by refactoring core booking and pricing systems.
- Delivered multiple subsystems (discount engine, rating system, distributed caching, analytics dashboards).
- Led migration to scalable microservices architecture with Docker, Kubernetes, and monitoring stack.

Nimses Inc. – Backend Engineer

Remote | 2017 – 2018

- Developed microservices architecture on Golang with PostgreSQL, Redis, RabbitMQ, and GCP/AWS.
- Built geolocation big data analytics services with PostGIS, PubSub, and BigQuery.
- Implemented abuse detection and user verification systems.

Earlier Experience (2010 – 2017)

Software Engineer / Consultant – Open-source projects, startups, and IT consulting. Focused on backend development, blockchain research, and distributed systems.

Blockchain & FinTech Projects (Personal / Open Source)

- **Ethereum Smart Contract Toolkit** – Automated Solidity deployment/testing in Golang.
 - **Solana Token Manager** – CLI for token/NFT management on Solana.
 - **Crypto Algo Trading Platform** – Low-latency algorithmic trading system for Bybit.
 - **Quantum Computing Simulator** – Golang library for quantum gates and circuits.
 - **Bitcoin Mining Optimization** – Research on probabilistic nonce discovery strategies.
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Education

Kaliningrad State Technical University – M.Eng. in Computer Science / Industrial Control Systems (2004 – 2009)

Languages

- Russian (Native)
- English (Professional Proficiency, C1)