

Steffan Kharmaaiarvi

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PROFESSIONAL SUMMARY

Experienced **backend engineer** with 7+ years of hands-on experience designing and building **distributed systems**, scalable **microservices**, and cloud infrastructure. Proven track record in fintech and crypto projects. Strong expertise in Golang, PostgreSQL, Kafka, and Kubernetes. Skilled in building **low-latency** systems, writing **smart contracts**, and leading engineering teams across multiple time zones.

TECHNICAL SKILLS

Languages	Golang, PHP, Rust, Solidity
Backend:	RabbitMQ, gRPC, REST, WebSocket, Redis, ClickHouse, PostgreSQL, MongoDB
Infrastructure:	Docker, Kubernetes, AWS (EC2, Lambda, S3, VPC), Terraform, GitLab CI, Prometheus, Grafana
Tools:	Git, Jira, Linux, DigitalOcean, Firebase, ANTLR
Patterns:	DDD, CQRS, TDD, Agile, SOLID

Team Lead Backend Engineer	04/2022 - now
Moonshine Digital SRL, Moldova	IT Company

Achieved: Reduced trade API latency by 60% by redesigning service communication using gRPC instead of REST.

- Designed and implemented high-performance, low-latency services in Go for a cryptocurrency exchange (Quicxex), processing thousands of transactions per second.
- Developed a centralized RBAC microservice in Go, managing user roles and policies across 10+ distributed services, increasing authorization reliability.
- Led architecture design and rollout of three fintech microservices products, integrating with external APIs (Binance, KuCoin, Coinbase).
- Integrated Solidity smart contracts on Ethereum, Solana, and Tron; assisted in deploying and testing token issuance flows.

- Implemented systems for blockchain data parsing and user wallet automation, enhancing crypto asset tracking.
- Managed and mentored a remote team of 7 engineers across 5 time zones.
- Maintained production infrastructure with Kubernetes, Terraform, and Prometheus

Senior Backend Engineer (Rust Project)

05/2024 – 02/2025

Independent project

- Designed and implemented a distributed event-driven system in Rust for financial transaction processing, using Event Sourcing and CQRS patterns.
- Built a microservices-based settlement layer handling thousands of concurrent payment operations with sub-millisecond latency.
- Developed a high-performance ingestion service in Rust for real-time blockchain event monitoring and transaction indexing.
- Applied property-based testing strategies to ensure correctness under load and failure conditions.
- Containerized services with Docker and orchestrated deployments via Kubernetes on AWS (EKS).
- Applied advanced Rust concurrency patterns (tokio, async/await, channels) to maximize system throughput.

Middle Backend Engineer

07/2021 - 04/2022

IP Kunitsyn, Russia
Company

IT

- Refactored a legacy PHP monolith into decoupled, domain-driven Go microservices, resulting in improved modularity, maintainability, and deployability.
- Optimized data aggregation and reporting services by migrating to PostgreSQL and implementing performant ORM-based querying, significantly reducing runtime exceptions and improving developer experience.
- Engineered scalable and concurrent scraping pipelines in Go to fetch and normalize industrial data in real-time, enabling downstream analytics teams to work with reliable datasets. Built concurrent scraping services in Go to collect and process industrial data.

Back-End Developer

01/2018 - 07/2021

OOO SNATAP

IT company

B2C application for influencers (www.fanzoone.com)

- Developed backend APIs and payment gateway integrations for B2C applications.
- Created microservices for social media parsing and mobile application backends using PHP.

- Maintained and scaled e-commerce backend systems.

Key Achievements

- Built a production-grade RBAC microservice in Go, used across 10+ services.
- Reduced API latency by 60% by switching to gRPC and optimizing Redis-based caching logic.
- Scaled crypto exchange microservices to support over 50k concurrent users.
- Managed a cross-functional, timezone-distributed team of 7 engineers.
- Integrated blockchain APIs and deployed smart contracts on Ethereum, Solana, and Tron.
- Designed and deployed infrastructure using Terraform and Kubernetes with GitLab CI.

Why me

- Strong background in fintech and blockchain environments.
- Experience in low-latency systems, payment integrations, and API-heavy architectures.
- Proven ability to deliver in remote-first teams with distributed responsibilities.
- Self-motivated, disciplined, and highly adaptive in asynchronous work environments.
- Focused on clean code, stability, and product value — not office theatrics.

EDUCATION

- GoLang Bootcamp (2021)
- VueJS / Vuex / Nuxt Courses (2019–2020)
- PHP Backend Bootcamp (2016)
- Frontend Bootcamp (2015)

Note

Available for interviews at short notice. Seeking fully remote opportunities only. Passionate about solving hard problems and writing clean, testable code. Passionate about solving hard problems and writing clean, testable code.