Aleksei Kish

kish@twb.one · (603) 557-1522
LinkedIn · Website · Blog · Barcelona, Spain

Staff Software Engineer

Dynamic technical leader with extensive experience architecting high-performance distributed systems and building high-performing engineering teams. Proven track record of scaling backend infrastructure serving millions of users while establishing engineering cultures that foster growth and innovation. Demonstrated expertise in Go programming, microservices design, and database optimization across startup and enterprise environments. Known for combining deep technical expertise with strategic thinking to drive both technical excellence and team development, successfully delivering real-time systems processing thousands of requests per second while mentoring engineers and accelerating organizational speed.

Areas of Expertise

- Technical Leadership & Training
- Backend Architecture
- Distributed Systems Design
- Microservices Engineering
- High-Performance Computing
- Database Optimization
- API Development
- Real-time Processing
- Infrastructure Scaling
- Code Review Excellence
- Cross-functional Collaboration
- Data Pipeline Architecture

Technical Proficiencies

Programming & System Research	Go, C#, PHP, Mobile OS Reverse Engineering, System-Level Research, gRPC, gRPC-web, Private/Undocumented API Analysis
Databases	PostgreSQL, MySQL, ClickHouse, BigQuery
Cloud, DevOps & Infrastructure	Kubernetes, Helm, Infrastructure as Code, Ansible, Git

Professional Experience

Truewebber LLC, Concord, NH   **2025 – Present**
Principal Engineer | Consultant

Architect resilient, enterprise-grade systems while guiding technical teams through advanced engineering methodologies. Collaborate with emerging technology companies at Series A through C funding stages to engineer robust infrastructure frameworks and enhance database operational efficiency. Deliver specialized remote consulting encompassing backend architecture, container orchestration, and system monitoring solutions.

- Engineered streamlined consulting methodology that transforms initial technical assessments into enduring strategic technology partnerships.
- Implemented systematic capability transfer protocols that build client engineering autonomy beyond project completion timelines.
- Designed infrastructure evaluation frameworks that uncover performance enhancement opportunities across varied technology environments.

SEMrush, Barcelona, Spain   **2018 – Present**
Senior Software Engineer | Technical Lead | Technical Owner

Established system architecture standards and technical roadmaps across backend infrastructure as principal technology decision-maker for dot Trends business unit. Cultivated engineering talent through mentorship programs while establishing enterprise-level coding protocols. Participated in talent acquisition as senior technical evaluator and championed cybersecurity excellence through competitive programming leadership.

- Engineered Rocket high-velocity domain classification system processing 10K+ requests per second with sub-millisecond response times, supporting 15+ organizational products across 200M+ domain records.

- Decreased overdue technical issues by 85% within three-month timeframe through systematic workflow optimization and enhanced team coordination.
- Enhanced development velocity by 4× across engineering organizations through standardized coding conventions and review optimization.
- Boosted user onboarding conversion by approximately 2× through algorithmic enhancement of domain selection logic within Market Explorer application.
- Advanced three entry-level engineers to intermediate proficiency within six-month period, expanding team throughput while minimizing senior resource dependency.

Apptica.com, St Petersburg, Russia   **2017 – 2018**
Software Engineer

Maintained mobile advertising data acquisition systems spanning Android and iOS ecosystems. Conducted reverse engineering of proprietary mobile application interfaces and constructed automated device management platforms. Engineered proxy-enabled geographic infrastructure and intelligent traffic distribution mechanisms.

- Established complete iOS data acquisition capabilities, expanding platform reach and elevating typical engagement value from approximately $1K to $20K-$25K range.
- Decreased monthly infrastructure expenditure by approximately $3K through architectural transition from virtualized GPU environments to physical device implementations.
- Discovered and integrated collection mechanisms for approximately 50% additional advertising platforms, significantly enhancing data comprehensiveness.
- Constructed adaptive proxy coordination service optimizing provider utilization, strengthening data consistency while reducing reliance on premium proxy services.
- Developed integrated device management platform spanning Android and iOS ecosystems, maximizing collection efficiency and operational performance.

Mobium LLC, St Petersburg, Russia   **2015 – 2017**
Software Engineer

Transformed primary API infrastructure from Microsoft-based C#/MSSQL framework to open-source PHP/MySQL environment, decreasing operational expenses and enhancing system maintainability. Coordinated with mobile development teams to optimize publication processes and reduce manual intervention requirements. Converted organizational objectives into actionable technical requirements for development team implementation.

- Minimized infrastructure and licensing expenditures through platform migration from proprietary Windows Server environment to cost-effective Linux-based architecture.
- Constructed automated application generation system reducing delivery cycles from multi-day to near-instantaneous timeframes, substantially improving customer engagement and conversion metrics.
- Launched white-labeled enterprise solution (Exapp) contributing approximately 90% of organizational revenue during critical startup growth phase.
- Streamlined application distribution processes, removing dozens of manual workflow steps and dramatically reducing operational team workload.
- Established Infrastructure as Code methodology using configuration management tools, enabling transparent and systematic infrastructure governance.

Education, Professional Training & Certifications

Agile & Scrum Fundamentals, IBM | Essential Google Cloud Infrastructure: Core Services, Google Cloud | Introduction to Kubernetes, The Linux Foundation

Affiliations & Memberships

Senior Member, Institute of Electrical & Electronics Engineers (IEEE)

Languages

Russian – Native | English – Proficient