

# Dmitry Kutakov

Lead/Senior Software Engineer  
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## Tech skills

Go, Python, Typescript, PostgreSQL, NoSQL, Kafka, Nats, Linux, GCP, AWS, Docker, Kubernetes, Helm, Terraform, Pulumi, Prometheus, Grafana, OpenTelemetry, OpenAPI, gRPC, distributed systems, SRE, SLIs/SLOs, on-call, Haskell, Factorio

Lead/Staff Backend and Platform Engineer with 13+ years building high-throughput, reliable distributed systems. First hire at GlassFlow, scaled a real-time data platform from 2k to 6M events/sec and stood up production-grade infra (GCP, k8s, IaC, observability). At Snap, delivered OpenAPI-first services with 99.95% uptime SLO at sub-250ms latency. Known for greenfield builds, pragmatic engineering practices, and leading teams through ambiguity.

Open source contribution:

#8 contributor on **Gin** is a high-performance HTTP web framework written in Go - [my commits](https://github.com/gin-gonic/gin/graphs/contributors)

## Lead Backend Engineer - [Startup] GlassFlow

Berlin, Germany, Oct 2023 - May 2025 (1 year 8 months)

Tech stack: Go, Python, k8s, k8s controllers, GCP, PostgreSQL, Nats, Terraform (Pulumi), Helm, GitHub Actions

GlassFlow used to be a serverless, Python-centric real-time data processing platform to transform data in real-time for end-to-end data pipelines.

The Data Engineers write Python functions and we manage the infra. Built-in monitoring and logs to see the progress of pipelines and debug the transformations per event. Multi-function transformations.

- First engineering hire on pre-seed round who designed and built the backend and cloud platform from scratch **[Go, Python, k8s, GCP, NATS, PostgreSQL]**.
- Scaled real-time data processing from MVP (2k events/sec) to production handling 6M events/sec, while enabling multi-function transformations.
- Delivered a public OpenAPI-first REST API **[OpenAPI v3 specification first]** consumed by the web app and CLI; prepared BYOC (bring your own cloud) deployment model for customers.
- Established CI/CD with tag-based automated releases and full IaC coverage **[Pulumi, Helm, GitHub Actions, Cloudflare]** with security best practices.
- Implemented observability and on-call practices **[Prometheus, Grafana, alerting]** to support 24/7 operations.
- Hired and led the backend team post-seed; transitioned ownership and established standards for code quality and reliability.
- Planned on a monthly basis and sync of current progress twice per week.
- Built the solution with different ways of integration, like direct API, CDC (change data capture) from DBs, many other NoSQL databases, S3 integration, etc.

## Senior Software Engineer - Snap Inc (<https://www.snapchat.com>)

Berlin, Germany, Feb 2020 - Feb 2023 (3 years)

Tech stack: Go, Python, Node.js, k8s, GCP, Kafka, PostgreSQL, BigTable, Helm, Terraform

- Led the technical implementation of backend services, infrastructure, and the automation of ML pipelines in an independent cross-functional team. **[Go, microservices, k8s, Argo workflows]**
- Built a solution to deliver recommendations from Data Sciences to end users with the REST API **(openapi specification first)** service.
- Delivered API service to handle **99.95% uptime SLO** (successful requests (2xx) within 250ms) even during Black Friday's highest peak.
- Mentored Data Sciences to use the unit tests on ML Python code, which increased the quality of the whole codebase.

- Made the builds reproducible and consistent, particularly in the context of versions of Go, linters, tools of code generation, etc. and regardless of which machine builds started. [\[Makefile, Docker, Go, Unix, CI - GCP Cloud Builds, OpenTelemetry\]](#)
- Introduced and integrated Kafka into the process of collecting metrics, it helped during the Black Friday season to persist metrics events. [\[Go, microservices architecture, Kafka, Docker\]](#)
- Led weekly knowledge-sharing sessions about Go, which helped to share the understanding of the new language across many teams and to start migrating from NodeJS.

## **Senior Software Engineer - N26 (<https://n26.com>)**

Berlin, Germany, Jul 2019 - Jan 2020 (6 months)

Tech stack: microservices, Go, Docker, PostgreSQL

- Worked on internal tools of employee automation.
- Was laid off since our team was closed and N26 didn't use Golang at that moment.

## **Senior Backend Software Engineer - TrafficStars**

Cyprus, Jan 2018 - Dec 2018 (1 year)

Tech stack: microservices, Go, Docker, PostgreSQL

TrafficStars is an advertising exchange platform and a huge traffic network. The platform must respond quickly with correct targeting for every visitor. Highload projects with high RPS and billions of stats and metrics.

- Maintained an advertising exchange platform with a huge traffic network.
- Delivered Web Push notifications and implemented new targeting properties.

## **Golang Engineer - Atuko**

Russia, Aug 2016 - Dec 2017 (1 year 5 months)

Tech stack: microservices, Golang, Docker, PostgreSQL, LevelDB, Redis

Atuko is an advertising management platform.

- Rewrote services from PHP to Golang.
- Created an internal tool for testing microservices and setup for CI/CD pipelines.

## **Backend Software Engineer - Altkraft**

Russia, Mar 2015 - Aug 2016 (1 year 6 months)

Tech stack: microservices, Python, Golang, MongoDB, Redis, RabbitMQ, SSDB

Altkraft is an email marketing platform designed to send a large number of emails, collect a huge cluster of statistics and display statistics for customers.

- Rewrote the whole platform from Python to Golang.
- Splitted the monolith platform to the set of microservices that communicated through RabbitMQ.
- Installed the platform into bare servers and managed databases.

## **Software Engineer**

Russia, May 2012 - Jan 2015 (2 years 9 months)

Tech stack: .Net, C#

## **Education**

Master's and Bachelor's degree, Computer Science, 2008 – 2014