

# Alexander Kuklin

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## Summary

A Python/Golang developer with four years of experience, I am proud to build microservices for high-load solutions that industry leaders find robust enough.

## Lead Engineer, Domclick, [domclick.ru](https://domclick.ru)

Sep 2023 – present

Developed and maintained platform services (approximately 12 services in total) related to geographic data and real estate objects.

Key projects:

- Geo Service (Python):
  - Developed and maintained a service for storing hierarchical geographic data (regions, cities, districts, streets, buildings, etc.).
  - Implemented event publishing for geographic data changes to notify multiple consumers asynchronously (other platform services).
  - Added address geocoding and suggestion functionality.
- Real Estate Objects Service (Golang):
  - Enhanced a centralized data store for real estate objects (apartments, new developments, commercial properties). Service based on Clean Architecture.
  - Consolidated data from multiple sources with priority handling and conflict resolution.
  - Integrated the service with the Geo Service and other platform components.
- S3 File Storage Interaction Service (Golang):
  - Contributed to a pipeline for processing uploaded images: automatic encoding into specified formats (WebP, JPEG), resizing to various resolutions (previews, cards, detailed views) based on configuration.

**Tech Stack:** Python 3, Golang, PostgreSQL (PostGIS), Redis, RabbitMQ, FastAPI, Docker, Kubernetes, Git.

## Junior Backend Developer, KB Strelka, [strelka-kb.com](https://strelka-kb.com)

Jul 2021 – Sep 2023

- Developed various microservices.
- Designed and implemented APIs for internal services.
- Built chatbot services, developed an internal chatbot and a chatbot for a restaurant.
- Contributed to the "Chego Hochet Gorod" ([chego-hochet-gorod.com](https://chego-hochet-gorod.com)), "5 Steps for Cities", and "Digital Master Plan of Baikal" projects.

Main project : "Chego Hochet Gorod"— a SaaS-platform for collecting and processing text-based customer feedback for businesses. The platform was built on a microservices architecture, with a dedicated dialogue microservice that standardized interactions with various data sources under a unified dialogue pattern. In this pattern, every exchange was treated as a dialogue, and the unit of exchange and context was called a "node." Nodes were the "building blocks" of the dialogue, defining its direction and type.

**Tech Stack:** Python 3, PostgreSQL, Sanic, JWT, RabbitMQ, AsyncIO, Git, GraphQL, Pandas, NumPy, Docker.

## Other professional experience

Aug 2009 – Mar 2021

LETO (LLC DDT), Manager / Engineer (Director) | LLC NARD, Project Manager | LLC Timberika, Director | Bank Credit-Moscow, Senior Analyst | LLC NARD, Business Development Manager | CJSC Energo-ECO, Sales Manager

## Education

- Yandex.Practicum
  - Advanced Go Developer (2024), Data Science Specialist (2022), Python Backend Developer (2021).
- Moscow State University of Forestry (2010–2012)
  - Degree in Timber Engineering.
- Bauman Moscow State Technical University (2004–2009)
  - Machines and Technologies for High-Performance Material Processing.

## Languages

English (upper intermediate), Spanish (beginner), Russian (native).