

ALEXEY SHEKHIRIN

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EXPERIENCE

Aviasales

Software Engineer

Saint Petersburg, Russia

May 2019 — Present

- Started with doing **General Backend** for iOS/Android app:
 - Microservice architecture built with Ruby on Rails and PostgreSQL
 - Deployed with Capistrano and served with Nginx
 - Metrics collected with Datadog
- Then switched team to do backend for the **Explore** part of the app which serves aggregating past searches for providing useful services without making an actual search:
 - MVP and most of the early development made from scratch and by myself
 - One GitHub monorepo
 - Golang microservices architecture along with the gateway
 - Data stored in PostgreSQL and consumed from HDFS and Kafka
 - Slow endpoints serving external APIs cached with Redis
 - Deployed to Kubernetes with Jenkins
 - Metrics collected with Prometheus and drawn on Grafana dashboards
 - Logs collected and analyzed with Kibana
- While maintaining Explore backend and shipping new features, contributed to other teams' projects such as **Core Data** which serves all of the data with translations (e.g. airports, cities, countries, continents, travel restrictions during COVID-19, local holidays):
 - Elixir monolith
 - APIs built with Phoenix for REST and Absinthe for GraphQL
 - Data stored in PostgreSQL with changes produced to Kafka
 - Admin panel built with React and Antd UI Kit

IQ Option

Data Scientist

Saint Petersburg, Russia

July 2018 — May 2019

- Interactive Tableau product-related reports and dashboards
- Data-driven decision making (A/B tests, experiments)
- Investigating users' behavioural events to find insights
- Help other teams with their analytics-related requests
- Tableau, Hadoop, Hive, Python, Jupyter, SQL

IQ Option

Data Science Intern

Saint Petersburg, Russia

June 2017 — September 2017

- Goal for whole internship was to find users behavior insights
- Onboarding feature with my insights and recommendations has been implemented and as a result improved user experience with the platform and increased their LTV
- Python, Jupyter, SQL

Hi Karl

Software Engineer

Nashville, TN, USA (Remote)

February 2017 — March 2017

- Facebook messenger chatbot
- Python, CouchDB, NLP (api.ai then, dialogflow now)

E-Contenta

Software Engineer Intern

Saint Petersburg, Russia
June 2016 — September 2016

- Movie recommendations using Collaborative Filtering
- Telegram bot and website based on VK.com social network users database for movie recommendations
- Python, Sklearn, Telegram Bot API, Ansible, Jenkins, Zabbix

PROJECTS

- Friendzone - iOS dating app that finds you people in social network VK by common interests. We've parsed a whole lot of users in Saint Petersburg and processed their groups with the simple autoencoder network defining their interests. Backend with Python and MongoDB, machine learning with Sklearn.
- Word Cloud - VK chatbot that reached 400 WAU in 2 weeks. It creates a cloud of words from users' feed from the past year. Python, VK API and wordcloud library.

SKILLS

Languages and Technologies

Golang, Ruby on Rails, Python, GraphQL, Redis, PostgreSQL, Kafka, Prometheus, Kubernetes, Grafana

Spoken languages

Russian (native)
English (B2, fluent)
French (A1)