ALEXEY SHEKHIRIN

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EXPERIENCE

Aviasales — Saint Petersburg, Russia
Software Engineer — May 2019 — May 2021

- 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

- MVP and most of the early backend for the new product:
  - 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

- Contributions to other teams' projects:
  - 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 — Saint Petersburg, Russia
Data Scientist — 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 — Saint Petersburg, Russia
Data Science Intern — 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

E-Contenta — Saint Petersburg, Russia
Software Engineer Intern — 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

- YC Alert

  - Updates from Y Combinator startup directory
  - Every time a startup is added to https://ycombinator.com/companies, an update is posted to Twitter and Telegram accounts @YCalert

- Friendzone

  - iOS dating app that finds you people in social network VK.com by common interests
  - We've parsed a whole lot of users in Saint Petersburg and processed their groups with the simple autoencoder network that detects 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)