

ALEXEY SHEKHIRIN

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EXPERIENCE

Reface

Software Engineer

Remote

June 2021 — Now

- Responsible for building and maintaining authentication and social profile microservices migrated from old Python REST API
- Implemented several product features:
 - Realtime Camera: user data on Google Cloud Storage, further routing to ML services
 - Memes Feed: integration with Python admin panel, caching, tight deadlines for development
- Implemented CDN support for all media files that's served from backend reducing costs on Google Cloud Storage network 5x
- APIs built with gRPC and Protobuf schema
- Data stored in CockroachDB and cached in Redis
- Deployed with Google Kubernetes Engine
- Monitoring with Prometheus, Grafana
- Logging with Kibana

Aviasales

Software Engineer

Saint Petersburg, Russia

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
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

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

- Bionic
 - Golang CLI to convert data exports from various services to a single SQLite database
 - Supported services are: Apple Health, Google Account, Google Chrome, Instagram, Netflix, OFX (banking data), RescueTime, Spotify, Telegram, Twitter and more
 - 100+ stars on GitHub
- 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
 - 450+ followers on Twitter

SKILLS

Languages and Technologies

Golang, gRPC, Rust, Redis, PostgreSQL, Kafka, Prometheus, Kubernetes, Grafana

Spoken languages

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