ALEXEY SHEKHIRIN

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EXPERIENCE

Rainbow — Remote
Software Engineer — February 2022 — Now

- Designed and built in-app notifications for on-chain activity:
  - Alchemy Notify API for on-chain activity ingestion
  - Webhook Ingestion and Notification Publishing services written in Go
  - Kafka on AWS MSK for on-chain activity processing and batching
  - Firebase for iOS and Android notifications
  - https://twitter.com/rainbowdotme/status/1579867429936988163
- Designed and built Optimism Rewards project:
  - Dune with SparkSQL for data ingestion
  - Data Ingestion and API services written in Go
  - GraphQL for API
  - https://twitter.com/rainbowdotme/status/1625148574446112769
- Kubernetes on AWS EKS
- PostgreSQL on AWS RDS
- Terraform for all things infra
- Datadog and Prometheus for logs and metrics

Reface — Remote
Software Engineer — June 2021 — February 2022

- 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   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

PROJECTS AND OPEN SOURCE
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- Bionic, personal project

  - 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

- Foundry, open source contributor

  - Blazing fast, portable and modular toolkit for Ethereum application development written in Rust
  - Participated in building Solidity language formatter which also required some contributions to Solang (https://github.com/hyperledger/solang/commits?author=shekhirin)
  - https://github.com/foundry-rs/foundry/commits?author=shekhirin

- Meilisearch, open source contributor

  - Lightning-fast search engine that fits effortlessly into your apps, websites, and workflow
  - Participated in implementing the new search engine
  - https://github.com/meilisearch/meilisearch/commits?author=shekhirin
  - https://github.com/meilisearch/milli/commits?author=shekhirin