

# Egor Romanov

SDET, Automation engineer, QA, Lead

## About me

28 y.o. Software developer in test and QA automation engineer. Currently working with `go+js` stack.

- I have experience in the development of complex in-house systems for QA.
- I built and managed a distributed tech department and designed production applications from scratch, infra, ci/cd, and agile processes in a startup.
- As QA automation, I worked on web, low-level libs, and desktop products and supported ci/cd for them.



## Currently

QA stuff @Supabase.

### SPECIALIZED IN

Automation. Develop processes, teams, tools, and (auto)tests to deploy reliable products quickly and smoothly and ensure quality throughout the dev cycle.

### INTERESTED IN

Building a friendly agile QA culture in teams, using the shift-left approach and reliable automation, ci/cd, and DevOps.

## Work-related Skills

- Developing test-related systems of different complexity for CI, infrastructure, reporting, and test management as a full-stack engineer.
- Testing theory, all those things about test generation/management/reporting.
- Writing test-frameworks, mocks and autotests (unit/component/integration/e2e/UI). I have experience with complex win and simple electron desktop apps, different web apps, `rest/grpc/gql/jsonrpc` APIs, raw tcp lib, `Postgres/Redis/event brokers`.
- Engineering team management, distributed team management, and building IT department, processes, and infrastructure from scratch.
- `JS/TS`, `C#`, `Java` and `Golang` lately.
- `Postgres`, `Redis`, a bit of `RabbitMQ` and `Mongo`, in-house msg brokers.
- `Docker`, `compose`, `K8s`, `GitlabCI`, `git`.
- Of course, some tools to search problems and set up monitoring like `elastic`, `kibana`, `grafana`, `prometheus`, local sniffers, `dotpeek`, etc.

## Working experience

### 1) QA AUTOMATION ENGINEER @SUPABASE

2.2022-now

QA stuff @Supabase. All sorts of things around QA and testing, actually.

And we are doing open-source btw :)

### 2) LEAD AUTOMATION ENGINEER @TINKOFF

3.2021-2.2022

Developing tools for QA @Tinkoff. Infra dev mostly.

- I developed an adapter service between native docker clients (i.e., `docker cli`, `docker-compose`, `test-containers`) and `k8s`. It allows to migrate testing infrastructure creation from docker daemon and docker containers to the creation of native kubernetes resources like deployments and services. It provides the ability to control resources and increase the security of CI infra. Stack: `go`, `goswagger`, `k8s`.
- As a part of the team, I helped form interview processes and skill sets for test automation engineers.
- Suggested and implemented MVP of service for coding interviews. Stack: `Yandex.Cloud`, `golang`, `vuejs+tailwind`, `IntelliJ Projector` and IDEs, `Postgres`.
- Participated in developing the bridge between `allure testops` and internal systems for developers. Stack: `java+spring`, `kafka`, `postgres`.

### 3) CTO @TROOVE

4.2020-12.2020

Startup - promoting service sector loyalty programs. [Read our story.](#)

## Ключ к самому интересному в городе.



- Audit of the existing technical implementation;
- Building a new team (JS developers, QA);
- System design;
- Software development team leading, interaction with other departments;
- Selection, administration, and management of the instruments (k8s, GitLab, Jira, Confluence, testpad, yandex.cloud);
- Implementation of agile processes;
- Tasks prioritization and decomposition;
- Building and support of the system infrastructure using GitLab CI, kubernetes, docker, mongodb, and elastic hosted in yandex.cloud;

Work results:

- MVP and major update of the mobile app were released in App Store & Google Play;
- MVP and a lot of incremental updates for backend microservices (16 for business logic and few for the infrastructure) and admin frontend web portal;
- implementation of the CI/CD for admin web portal and backend microservices for test and production environments;
- good team chemistry, agile methodologies, sprint retro and planning, stand-ups, 1x1, and 2-month planning regularly.

### 4) SOFTWARE DEVELOPMENT ENGINEER IN TEST @QUADCODE

12.2019-3.2021

Single QA and automation engineer in a message bus infrastructure team.

All our testing was integrated with CI/CD process using GitLab CI and docker.

- Testing of the bus configuration web portal. The technologies used were node.js, react, Postgres, Redis, consul, grpc for SUT, Java, and typescript for testing and mocking. Our biggest project (almost 3000 backend and a few hundred GUI autotests). I've started to move GUI tests from Java+selenide to TS+playwright. Tests number grew up from 2.4 to 3.2 thousand.
- Firstly manual, and later I started automation testing of desktop electron application (similar to Bloom RPC but for internal protocol). The smoke test suite for the most important functionalities is integrated with CI for Mac and Linux versions. Stack: TS + spectron.
- Developed a project for language-independent testing of bus client libraries with a team. Golang and JS libraries are tested in CI. Stack: TS, golang, mocha, grpc, node.
- Maintaining CI/CD in GitLab CI and Jenkins, test reporting in allure testops.

### 5) SOFTWARE DEVELOPMENT ENGINEER IN TEST @EPAYMENTS

9.2019-12.2019

- I have written automated web UI and API tests.
- Built an architecture and groundwork for a new testing framework and set up mountebank service for stubbing in testing environments.

I successfully passed my probationary period in 1.5 months instead of 3 months, but my interests did not match the QA head's vision for QA development.

Working with c# .net stack.

## 6) SOFTWARE DEVELOPMENT ENGINEER IN TEST @NETWRIX

2.2019-9.2019

- Contributing to test automation system based on `vSphere`, `.net`, `asp.net rest`, `PostgreSQL`, and `vue.js`. I made a lot of updates in all parts of the system: core functionality, reporting, test runs logging, mail notifications, a lot of frontend improvements, custom serialization, and so on.
- Another part of my work was writing automated REST API tests with `c#` for the main product and a little performance testing.
- My last big task was a project for generating reports about time tracking and employees' workload across all company's projects and features using `TFS` data.

## 7) QC AUTOMATION @NETWRIX

4.2018-2.2019

- I was working on the development of a test automation system based on `vSphere`, `.net`, `asp.net rest`, `PostgreSQL`, and `vue.js`.
- REST API testing automation and writing small custom services.

## Education

2012 - 2016 St Petersburg Polytechnic University

- Informational security in telecommunications.

2008 - 2012 St Petersburg President Physics and Mathematics Lyceum #239

## Publications

### MEDIUM



2021 [Test design by Interface – Model – State](#)

2021 [My strategy of personal development](#)

## Connect me

