
ALEKSANDR MARTIUSHOV

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Software backend engineer

Summary

9+ years of engineering experience in backend development and QA automation testing.

My expertise:

- developing distributed microservice based applications
- maintaining and developing 800k LOC backend applications
- creating QA automation frameworks and infrastructure from scratch for backend, mobile, UI testing
- maintaining and developing QA automation projects with 4000+ tests
- technical leading of QA team of 12+ people
- Jenkins/CircleCI/GitlabCI pipelines implementation
- Agile processes/practices

My technologies:

- Java, Kotlin, Javascript
- Frameworks: Spring, Guice, Hibernate
- QA frameworks: Selenium, CucumberJvm, JUnit, TestNG, ArchUnit
- Mobile automation frameworks: Appium, Espresso, UIAutomator, Robotium
- Build tools: Maven, Gradle
- Storages: MySQL, DB2, Cassandra, Elasticsearch, Redis
- Containers: Docker, Docker-compose

Portfolio



Heisenbug conference (Saint-Petersbu...



QA Meetup at Signavio (Berlin, 06.06.19)



SeleniumConf (Berlin 10.2017)



SQA Days`13 Conference (Saint-Peters...

Experience

- Dec 2018 - Present Backend developer
Signavio (Berlin)
Development of user management and authentication/authorization (SAML, OAuth) of multi-tenant application for BPMN process modelling and simulation.
I have implemented:
- JNDI binding for Datasource
- Tomcat session persistence with Redis
- Jan 2018 - Dec 2018 Software Engineer in Test
Signavio (Berlin)
Project: online process editor within BPMN notation
I have implemented:
- continuous UI testing (~160 tests)
[Selenium, Selenide, Kotlin, Guice, CucumberJvm, Image comparison, Allure, Gradle]
- continuous Backend API testing
[Java, Gradle, Guice, TestNG, RestAssured]
- a stable and scalable cluster of browsers for UI testing (Chrome, Firefox, IE11, Edge)
[Selenoid, Jenkins]
- Jenkins pipelines for UI and Backend testing
- deployment of the environment for testing (Docker-compose)
- Aug 2017 - Dec 2017 Backend developer
Bitplaces GmbH (Berlin)
Developing high-load microservices for location-based system.
Spring (Boot, Data), Hibernate, MySQL, Elasticsearch, rabbitMQ.
- Sep 2016 - Dec 2017 Senior QA Automation Engineer
Bitplaces GmbH (Berlin)
Project: a location-based microservice product with mobile application
I have implemented from scratch:
- continuous backend integration testing (>1k tests)
[Cucumber-Jvm, Spring, Java, Swagger, Docker, WireMock, Jenkins]
- continuous mobile testing for Android/iOS application (~100 tests)
[Cucumber-Jvm, Spring, Java, Appium, Jenkins]
- own farm of Android/iOS devices for mobile testing (6 devices)
- Apr 2012 - Aug 2016 QA Technical Lead
Grid Dynamics International, Inc (Saint-Petersburg & San-Francisco)
Working in both offices: in Saint-Petersburg and in San-Francisco.
Worked in both offices of the company: Saint-Petersburg & San-Francisco.
Project: a search engine for e-commerce platform for top-7 online retailer
- I was a technical lead of 12 QA engineers team managing 4000+ backend tests.
- I was a technical problem-solver for the QA part of the project
- I was creating and implementing strategies of product testing
- I was helping people to grow in their technical knowledge
Technical stack: Fitnesse (Java) / maven / git, gerrit / Jenkins / SQL / bash
- Jan 2011 - Apr 2012 Test Lead
BCC Group (Saint-Petersburg)
 - test process developing (functional, load, performance, usability)
 - test documents creation (test cases, test plans, test design, check lists)
 - automated functional, load, UI testing of IPTV and OTT systems (java, SQL)
- Feb 2007 - Jan 2011 Research engineer
Petersburg Nuclear Physics Institute
Creating systems for reactions detection, based on pin diodes. Creating infrastructure for experiment execution. Creating power supply systems, parametric control systems (humidity, pressure, temperature, level gauge). Participated in following experiments:
 - MuSun, Paul Sherrer Institute, Switzerland
 - Cell Gas, Forschungszentrum Jülich, Germany

- ATLAS, CERN, Switzerland
- PHENIX, Brookhaven National Laboratory, USA

Aug 2008 - Mar 2009

Software test engineer

Exigen Services (Saint-Petersburg)

Web and desktop applications manual testing. Creating test documentation (test cases, test plans). Working with bugtracking systems (Lotus, JIRA). Working by SCRUM

Education

2003 - 2009

Specialist

Saint Petersburg State Polytechnical University

Field of Study: radiophysics and electronics

2009 - 2011

PhD

Petersburg Nuclear Physics Institute

Field of Study: devices and methods of experimental physics

2011 - 2011

RH-135 Red Hat system administration I / II with RHCSA exam

Publications

2007 - 2007

High-Precision Temperature Measuring Instrument

Petersburg Nuclear Physics Institute