
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 | <p>Backend developer</p> <p><i>Signavio (Berlin)</i></p> <p>Development and support of multi-tenant and high-load application for BPMN process modelling and simulation.</p> <p>I have implemented:</p> <ul style="list-style-type: none">- JNDI binding for Datasource- Tomcat session persistence with Redis |
| Jan 2018 - Dec 2018 | <p>Software Engineer in Test</p> <p><i>Signavio (Berlin)</i></p> <p>Project: online process editor within BPMN notation</p> <p>I have implemented:</p> <ul style="list-style-type: none">- continuous UI testing (~160 tests) <p>[Selenium, Selenide, Kotlin, Guice, CucumberJvm, Image comparison, Allure, Gradle]</p> <ul style="list-style-type: none">- continuous Backend API testing <p>[Java, Gradle, Guice, TestNG, RestAssured]</p> <ul style="list-style-type: none">- a stable and scalable cluster of browsers for UI testing (Chrome, Firefox, IE11, Edge) <p>[Selenoid, Jenkins]</p> <ul style="list-style-type: none">- Jenkins pipelines for UI and Backend testing- deployment of the environment for testing (Docker-compose) |
| Aug 2017 - Dec 2017 | <p>Backend developer</p> <p><i>Bitplaces GmbH (Berlin)</i></p> <p>Developing high-load microservices for location-based system.</p> <p>Spring (Boot, Data), Hibernate, MySQL, Elasticsearch, rabbitMQ.</p> |
| Sep 2016 - Dec 2017 | <p>Senior QA Automation Engineer</p> <p><i>Bitplaces GmbH (Berlin)</i></p> <p>Project: a location-based microservice product with mobile application</p> <p>I have implemented from scratch:</p> <ul style="list-style-type: none">- continuous backend integration testing (>1k tests) <p>[Cucumber-Jvm, Spring, Java, Swagger, Docker, WireMock, Jenkins]</p> <ul style="list-style-type: none">- continuous mobile testing for Android/iOS application (~100 tests) <p>[Cucumber-Jvm, Spring, Java, Appium, Jenkins]</p> <ul style="list-style-type: none">- own farm of Android/iOS devices for mobile testing (6 devices) |
| Apr 2012 - Aug 2016 | <p>QA Technical Lead</p> <p><i>Grid Dynamics International, Inc (Saint-Petersburg & San-Francisco)</i></p> <p><u><i>Working in both offices: in Saint-Petersburg and in San-Francisco.</i></u></p> <p>Worked in both offices of the company: Saint-Petersburg & San-Francisco.</p> <p>Project: a search engine for e-commerce platform for top-7 online retailer</p> <ul style="list-style-type: none">- 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 <p>Technical stack: Fitnesse (Java) / maven / git, gerrit / Jenkins / SQL / bash</p> |
| Jan 2011 - Apr 2012 | <p>Test Lead</p> <p><i>BCC Group (Saint-Petersburg)</i></p> <ul style="list-style-type: none">• 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 | <p>Research engineer</p> <p><i>Petersburg Nuclear Physics Institute</i></p> <p>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:</p> <ul style="list-style-type: none">• 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