

Alex K.

Sr. Python Developer / Senior SDET / Automation Engineer

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Professional summary

Proficient Software Development Engineer in Test with 11+ years' expertise of working on projects of various sizes, with different technical stacks and tasks, including test framework creation from scratch, issues detection and resolving, coding, testing, code improvement and maintenance with producing concise technical documentation. Has deep technical expertise in performance testing, automation on Python, Jenkins, AWS and Azure cloud environment, etc. Proactive and self-motivated team member skilled in multitasking and deadlines prioritizing. Is fond of learning and using new practices and technologies.

Education	Dnepropetrovsk National University – Bachelor's Degree, Computer Systems and Networks
Skills	Python, Bash AWS, Digital Ocean, Heroku, Azure Jenkins ServiceNow MySQL, PostgreSQL, SQLite, Apache Hive/Impala Docker/Docker Compose, Kubernetes/Helm, Vagrant Unittest, Pytest, Nose, Selenium WebDriver, Boto 3, Flask, Fast API, Typer, Click PyCharm, Eclipse/PyDev & Plug-ins Git Ansible Nginx, Apache, Gunicorn Locust TestLink, Selenium IDE, Jira, TFS, Kiwi TCMS Nagios Review Board tool, Gerrit Ubuntu/Debian Linux, RHEL/CentOS Linux

Project	**UK Fashion Retailer (NDA)**
	Large product company with many stores for retailers
Period	Oct 2021– till now
Role	Senior Software Development Engineer in Test
Technologies	Python, Docker, Git, Jenkins, PostgreSQL, AWS, Azure, Service Now, Jira

Responsibilities

- The systems (JLM) support for company's employee accounting;
- Test strategy and test design implementation;
- Test infrastructure (AWS S3, Lambda, SQS, ECR, etc.) and test framework (Python, Django, PostgreSQL, Docker, Jenkins) development;
- Testing data integration between different systems (AWS / Azure);
- CI / CD process implementation and setup (Jenkins);
- Test results monitoring and analysis;
- Testing user data;
- User support (Service Now);

Project	**NDA**
	NDA
Period	Mar 2021 – Oct 2021
Role	Senior Software Development Engineer in Test / Senior Performance Engineer
Technologies	Windows Server, ASP .NET API, Python 3.9, Locust 1.4, Grafana, Influx DB, Telegraf, Docker Compose, Docker, AWS, Azure, App Dynamic, Splunk

Responsibilities

- Requirements analysis;
- Clarification with customer;
- Framework development;
- Supporting for API performance testing (Python, Locust, Docker);
- Test results monitoring and analysing;
- Collaborating with devs;
- Investigating complex test failures to find out the possible root cause of the problem;
- Creating test plans/designs;
- Deployment of the testing environment;
- Implementation and administration CI Server;
- Onboarding new team members.

Project	**Performance Testing**
	Infrastructure for internet stores
Period	May 2020 – Feb 2021
Role	Senior Software Development Engineer In Test / Senior Performance Engineer
Technologies	Linux, Python 3.9, Locust 1.4, Rabbit MQ, Docker Compose, Docker, Docker Compose, AWS, CloudWatch, DevTools, New Relic, Elastic Stack, TeamCity, AWS, DevTools

Responsibilities

- Requirements analysis;
- Clarification with customer;
- Framework development for performance testing (Python, Locust, Docker);
- Performance test development (Python, Locust, DevTools);
- Rabbit MQ integration testing (Rabbit MQ Brocker);
- Elastic Stack integration (Elastic Search, Kibana, Docker);
- CI implementation and setup.

Project	**NDA**
	Solutions related to supporting and management of packaging and print processes for different package manufacturers
Period	Dec 2019 – May 2020
Role	Senior Software Engineer in Test / Senior Performance Engineer
Technologies	Windows Server, Apache Jmeter, AppDynamics, MS SQL server, Performance Monitor, Perl, Jira, DevTools, Burp

Responsibilities

- Requirements analysis;
- Clarification with customer;
- Performance test development (Apache Jmeter, DevTools, Burp);
- Test execution;
- Results analysing (AppDynamics, Performance Monitor);
- Bugs reporting and verification.

Project	**Automation security testing in Big Data**
	Project of a large US company that provides Apache Hadoop-based software, support and services, and training to business customers. The products contain the main core elements of Hadoop that provide reliable, scalable distributed data processing of large data sets (chiefly MapReduce and HDFS), as well as other enterprise-oriented components that provide security, high availability, and integration with hardware and other software
Period	Dec 2015 – Nov 2019
Role	Senior Software Engineer in Test / Senior Performance Engineer
Technologies	Hadoop, KMS, Hive, Impala, Linux, Jenkins, Python 2.7/3.6, Unix Bash, AWS, Azure, Kubernetes, Docker, Git, GitHub, RBTools, Gerrit, Jira

Responsibilities

- Creating test plans/designs;
- Requirements analysis and clarification with customer;
- Test framework development and supporting
- Deployment of testing environment (Kubernetes, Docker, AWS, Hadoop);
- Development new automation tests (Python);
- Implementation and administration CI Server (Jenkins).

Project	**Security testing in Big Data**
	Test framework developed and supported for Unix data encryption for US customer specializing in Big Data
Period	Oct 2014 – Nov 2015
Role	Test Automation Engineer
Technologies	Hadoop, KMS, Linux, Jenkins, Python 2.7, Unix bash, Amazon EC2, Amazon S3, Ansible, Cloudify, PostgreSQL, Git, BitBucket, Jira

Responsibilities

- Developing and architecting the structure of testing framework;
- Defining and clarification requirements with customer;
- Coding the automation tests;
- Unit-tests code covering (Python/Bash);
- Deployment testing environment into Cloud Services (AWS, Ansible, Cloudify);
- Implementation and administration Continuous Integration Server (Jenkins);
- Integrating results from Jenkins to TestLink;
- Teaching and training others.

Project	**Data encryption testing**
	Test framework developed and supported for Unix data encryption for US customer specializing in data encryption
Period	Aug 2013 – Sept 2014
Role	Test Automation Engineer / Configuration Engineer
Technologies	Linux, Jenkins, Python 2.7, Unix bash, Amazon EC2, Amazon S3, Ansible, Cloudify, PostgreSQL, Git, TestLink, BitBucket, Jira, RabbitMQ

Responsibilities

- Defining and clarification the requirements with the customer;
- Development of the test framework structure;
- Development of the automation tests (Python/Bash);
- Deployment of a test environment in Cloud Services (AWS, Ansible);
- Implementation and administration of CI Server (Jenkins);
- Results integration from Jenkins to TestLink;
- Testing and bug tracking (Jira).

Project	**KIOSK for Specialty**
	Application that allows staff to develop collection and synchronization of data required for a particular product, and allows the creation of new sets of functionality and modernization of the existing one
Period	Nov 2012 – Aug 2013
Role	Quality Control Engineer
Technologies	Jira, Browsers (Google Chrome, Internet Explorer, Safari), iPad (iOS 6.x), PICT, OWASP ZAP

Responsibilities

- Defining and clarification requirements with BA;
- Quality control of developed software product;
- Creating test cases;
- Checking lists;
- Testing (functional, exploratory, regression, GUI);
- Writing bug reports;
- Bug tracking in Jira.

Project	**CITI**
	Application that allows patients to take the credit in CITI bank for medical needs (US customer that was developing software for dental medical needs)
Period	Aug 2012 – Oct 2012
Role	Quality Control Engineer
Technologies	Jira, Browsers (Google Chrome, Internet Explorer), PICT, Firebug

Responsibilities

- Defining and clarification requirements with BA;
- Quality control of developed software product;
- Creating test cases, checking lists;
- Testing (functional, exploratory, regression, GUI);
- Writing bug reports;
- Bug tracking in Jira.