



Alexander Sh.

Mobile Automation Engineer/TechLead



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Professional summary

Senior Quality Assurance Engineer with 15 years of experience in functionality, compatibility, usability, GUI and Black Box testing of client-server applications. For 4 years Alexander has been involved in native Mobile App Testing (iOS and Android), Web testing automation and development of infrastructure. He possesses all necessary knowledge for maintaining testing processes on a project. Good communication and leader skills, high responsible and have an ability to find the way from difficult situation.

Education	Nizhny Novgorod State University Micro Electronics and Semi-conductors
Skills	Python Appium, Selenium Robot Framework Pycharm Sauce Labs Jenkins MySQL Mongo DB Studio Visual Studio Code Android Studio, Xcode Wireshark GitLab, GitHub JIRA Bugzilla, Testopia iOS, Android Windows, Mac OS, Linux

Project	HILTI
	Cloud-based (Web+Mobile) engineering system
Period	Feb 2020 – now
Role	Test Automation Engineer
Technologies	Appium, Selenium, RobotFramework, Python, Jenkins, Gitlab, Android Studio(Emulators), Xcode(iOS), Jira, SauceLabs - cloud real-device provider

Responsibilities

- Architecture of the most effective test automation approach, automation coverage planning;
- Development of cross-platform and mixed automated tests: Robot Framework + Appium(Mobile App) and Selenium(Web);
- Parallel execution setup, Sauce Labs device cloud solution integration;
- Automation regression execution, results analysis and reporting on release basis;
- The most effective test automation approach was found and proposed to customer;
- Setup automation process for project. About 70% of manual tests were automated.

Project	INTEL
	Machine learning solutions (neural models and framework)
Period	Nov 2018 – Feb 2020
Role	Team Leader
Technologies	Python, GitLab, Jenkins, Pycharm, Mongo DB, Jira
Responsibilities	
<ul style="list-style-type: none"> • Customers' RnD team collaboration; • Team support, task distribution, reporting; • Architecture and UI development for data analysis Web tool (backend on Python); • Automation of results analysis and reporting ; • Code review of automation scripts (Python) and Web data analyzer tool; • Manual execution of neural models testing released by customer. 	

Project	OOMA
	SIP client mobile app (iOS, Android) provides telecommunication/telephony services
Period	Sep 2013 – Nov 2018
Role	Test Automation Engineer
Technologies	RobotFramework, Appium, Jenkins, Perforce(P4), Mongo DB Studio, Wireshark, Network conditions emulator, Linux, Android/iOS , SIP, Bugzila, Jira

Responsibilities

- Development of cross platform test cases for mobile app testing (Android/iOS) in Robot Framework + Appium;
- Integration of automatic tests to CI (continuous integration) using Jenkins with automatic marking results in Jira and next auto-reporting by e-mail;
- Setup automation process for project. About 30% of manual tests were automated;
- Code review;
- Test plans analysis and adaptation for test automation;
- Estimation for test development;
- Manual testing of all functionality.

	Networks In Motion / Navigation App
Project	Navigation software on mobile for customer that provides LBS solution including such features as local search, navigation with 3D cities, traffic, billing, geocoding, Ads, etc. on different mobile platforms Android, iOS, BREW, J2ME(Blackberry)
Period	Sep 2009 – Nov 2013
Role	Team Leader
Technologies	Mobile platforms: Android, iOS, BREW, J2ME(Blackberry), Bugzilla/Testopia, Perforce(P4) - version control system, Wireshark, Network conditions emulator, GPS emulation, Android Studio (Emulators)

Responsibilities

- Test team leading: task distribution, bugs analysis (bug scrub meetings), reporting of testing status;
- Manual Testing of GPS navigation software on different smartphone devices/mobile platforms (Android, iOS, BREW, J2ME (Blackberry));
- Manual UI testing, client-server testing, test drive field testing
- Test cases/test plans creation;
- Bug reporting and verification: Bugzilla;
- Being in business trip got great work experience with design, product management and requirements teams;
- Was responsible to prepare builds and documentation for the external testing.

Project	Awaya
	IP Desktop and soft VoIP phones firmware
Period	Nov 2008 – Aug 2009
Role	Test Leader/Test Engineer
Technologies	Windows Mobile 5.x/6.x, Bug tracking: Clarify, SL1, Radius, network tools , Wireshark
Responsibilities	
<ul style="list-style-type: none"> • Sanity and full manual testing of new firmware for Nortel desktop phones, Softphone (PDA, Smartphone based on Windows Mobile 5.x/6.x platform); • Test cases/test plans creation; • Bug tracking; • Test Lab configuration; • Created and maintained Test Laboratory easy-usable as for testing/bug verification as for designer's sophisticated scenarios. 	

Project	Alcatel / Wireless Quality Analysis project
	Software tool that helps to analyze call processing in UMTS network
Period	Dec 2005 – Nov 2008
Role	Team Leader/Test Engineer
Technologies	DCT, Clarify, Mercury Quality Center, Bash, Informatica 6/7, Oracle DB
Responsibilities	
<ul style="list-style-type: none"> • Organization of plan and support testing process; • Manual test cases performance (Web-based client-server application: Web part – Java, data processing part Java+XML, DB – Oracle and data analysis - 3-d party tool integrated in code); • Development of test specifications, test plans, test forecasts; • Communication with design team, management; • Support test activity of foreign (China) verification team; • Development of scripts for data generating for Performance testing; • Defect tracking (DCT, Clarify), test campaign creation and results update (Mercury Quality Center); • Shell script creation for KPI data generating which helped to find performance issue in the WQA tool. 	