

Pavel Kirkovsky

pavel@kirkovsky.com | Pacific Northwest USA (Remote) | US citizen, clearance eligible

EXPERIENCE

QA Engineer/SDET

2021 - Present

Noom, Remote

- Automated and manual testing on web (Node.js) and mobile (iOS/Android) platforms. Native and web frontend automation, unit tests, backend & API testing.
- Tools: Cypress, XCUITest, BrowserStack, DataGrip, Postman, curl, Javascript/Typescript, Node, Jest, CI/CD, Github Actions, Bitrise, AWS, etc.

Freelance/Consultant

2020 - Present

self-employed, Remote

- Technical research/prototyping/proof-of-concept, software development (IoT/embedded Linux/backend), QA, technical writing, contributing to various open source projects

QA Engineer II (Mobile/Web)

2017 - 2020

Amazon, Seattle WA

- High-level QA engineer, responsible for multiple parallel projects across various business orgs. End-to-end/full-stack QA
- test strategy planning & documentation
- external QA team management
- automation on browser & mobile
- backend/API/microservice testing
- performance/load testing
- security analysis
- deep-dive manual testing
- internal tooling development/process improvement
- Technologies utilized: qTest, Rally, Appium, Selenium, Python, Java, Ruby, XCode, iOS Simulator, Android emulator, XCUITest, internal Amazon build tools, shell scripting

QA Engineer (Software/Robotics/Autonomous Vehicles)

2016 - 2017

Sharp Laboratories of America, Camas WA

- Software & hardware testing for the Sharp Intellos A-UGV (Automated Unmanned Ground Vehicle) autonomous platform.
- Also:
- streaming audio/video
- network traffic analysis
- complex deep-dive troubleshooting
- Technologies utilized: embedded Linux/U-Boot, shell scripting, Wireshark, JIRA, Zephyr, ONVIF compliance tools, H.264/MPEG-4 compliance tools, Windows PowerShell

QA Engineer (Video Encoding/Linux)

2015 - 2016

AWS Elemental (formerly Elemental Technologies), Portland OR

- QA engineer for 'final polish' & product cloud migration
- test case automation & refactoring
- deep-dive manual testing for video streaming & encoding
- QA on device provisioning & clustering (Redhat Linux Kickstart & cloud)
- Research for audio & video test strategy (e.g. perceptual quality testing)
- Technologies utilized: JIRA, TestRail, RedHat Enterprise Linux (RHEL), CentOS, Kickstart system installation, IPMI, ffmpeg/ffplay, avidemux, VLC, Perl, Tektronix MTS4SA Transport Stream Compliance Analyzer, Manzanita Transport Stream Analyzer, Wireshark, shell scripts

QA Lead (Mobile)

2012 - 2015

eBay, Portland OR

- QA Engineer at Innovation and New Ventures group, working on experimental cutting-edge projects

- Mobile, wearable, & webapp testing (manual/automated)
- Digital storefront/kiosk testing
- Device library management/physical hardware QA strategy
- QA Lead for RedLaser on Android, a barcode scanning & shopping testbed app
- Manual & automated testing (including backend/API tests)
- Hardware device library management & provisioning
- Security testing
- Geofence & location-aware mocking
- Technologies utilized: Testrail, JIRA, Charles Proxy, Wireshark, tcpdump, SoapUI, Ruby, shell scripting, Perl, Monkey/Monkeyrunner, Android SDK, Xcode, OS X, Windows, Linux, fuzzing & other infosec tools

System QA Engineer (Linux)/Technical Writer

2011 - 2012

Intel, Hillsboro OR

- QA at Intel's Open Source Technology Center (OTC) working on Intel x86 mobile platforms.
- Automated and manual testing of Android x86 system images
- Deep-dive validation of Intel HAXM (a hypervisor addon for the Android emulator allowing Android x86 emulation to be accelerated using Intel VT).
- Technical writing (end-user documentation, product release notes, product specs, flow/process diagrams, and internal technical docs)
- Technologies utilized: JIRA, Android SDK, GLBenchmark, Android Compatibility Test Suite (CTS), MeeGo SDK, Tizen SDK, Linux, Windows, OS X, Xcode, Python, Ruby, Perl, shell scripting, TestLink

Managed Service Provider (MSP) consultant

2008 - 2011

self-employed, San Diego, CA

- Full-service small business IT management and security auditing.

QA Engineer (Linux)

2007 - 2008

Anonymizer, Inc, San Diego, CA

- QA & security auditing for Linux-based products, backend service testing
- Testing, debugging, and regression checks for all software releases and service deployments
- Admin for QA staging server pool (later planned & oversaw migration to virtualized systems)
- Documentation & test case management
- Technologies utilized: Bugzilla, Testopia, Linux, Windows, VMWare, Wireshark, tcpdump, VPN, shell scripting

Infrastructure Administrator

2006 - 2007

ChemDiv, Inc.

- Maintained Windows domain infrastructure, mail servers, backup system, firewall, network equipment, desktop computers, and computer-controlled laboratory equipment (GCMS/LCMS & NMR).
- Deployed company-wide open source VoIP telephony system (Asterisk) to replace the legacy analog PBX, creating a unified office phone system which eased collaboration and significantly reduced communication costs.
- Technologies utilized: Windows Server, Active Directory, Windows, Linux, Unix (Sun Solaris, IRIX), Asterisk VoIP (Digium), Microsoft Exchange, Kerio Mail Server, Lotus Notes, Sonicwall, Dell managed switches, Wireshark/Ethereal, nmap, tcpdump, shell scripting, Perl

SKILLS

<i>Languages</i>	English (fluent), Russian (fluent)
<i>Writing</i>	Test charters, user manuals, technical reports, internal documentation (wikis, etc)
<i>QA</i>	Automation (mobile, web, backend/API), deep-dive manual QA, test plans & charters
<i>Infra/network</i>	Linux/Windows/OS X, cloud (AWS & GCP), Wireshark, tcpdump, Snort, Charles Proxy, etc.
<i>Hardware</i>	Soldering (through-hole and SMT, reflow), standard test equipment, JTAG/hardware debugging