

Pavel Kirkovsky

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Bremerton, WA

US citizen

Versatile QA engineer with 12 years of experience in building test automation, test plans & charters, test strategy & procedures, optimizing QA & developer workflows, managing external test teams, and building documentation libraries.

Broad industry experience spanning e-commerce, mobile and web apps, autonomous vehicles, clustered systems, wearables, IoT hardware, and more.

WORK EXPERIENCE

Noom (Remote)

2021 – 2023

Software Development Engineer in Test (SDET)

- Developed, maintained, and performed code reviews on automated tests in Cypress tests (API & frontend) in CI/CD pipeline using GitHub Actions, covering 100% of critical signup, upsell, onboarding, and account management flows
- Developed custom Google Sheets integration with TestRail and Jira API using Google Apps Script, reducing QA documentation overhead of test cases, issues, and test reports by 50%
- Created Jira dashboards to enable tracking & visibility of QA & dev activity across the company
- Developed custom Jira automation scripts for synchronization between dev & QA tickets
- Took ownership and standardized documentation & reporting structure across the QA org
- Contributed features, bug fixes, and localization updates to React (frontend) & Python (backend) codebase
- Performed testing & troubleshooting complex payment process & subscription testing (Stripe, Braintree, Apple Pay)
- Trained junior QA team members on tooling verification of test runs at the database record level
- Performed onboarding of new QA engineers, led process improvement training sessions

Amazon (Seattle, WA)

2017 – 2020

QA Engineer II (L5)

- Led QA effort in integrating and launching Amazon Prime Now and Amazon Fresh as part of the main Amazon ecosystem, creating a seamless unified customer experience
- Managed offshore QA engineers, triaged tickets, performed deep-dive root cause analysis on complex bugs
- Collaborated with stakeholders across Amazon to translate critical features into technical QA requirements, test charters, test plans, and test cases through the entire SDLC
- Created automated load & performance tests using Amazon Pipelines
- Designed automated CI/CD test suites for mobile and web using Appium & Selenium
- Led accessibility testing efforts to comply with WCAG standards and security testing efforts using OWASP guidelines
- Documented team processes, tooling, and runbooks on internal wiki

Sharp Laboratories (Camas, WA)

2016 – 2017

QA Engineer (contract)

- Designed automated test suite for validating streaming video, thermal camera, and chemical sensor data
- Led in-house firmware recovery tooling effort, decreasing test vehicle downtime from 1 week to 2 hours
- Created client software installation scripts, cutting QA cycle time by 30%
- Created automation using Wireshark and Lua for testing mesh network behavior & performance
- Designed tooling to create, import, export, compare, and validate vehicle paths

AWS Elemental/Elemental Technologies (Portland, OR)

2015 – 2016

QA Engineer (contract)

- Maintained and extended automated test suite for validation of clustering & video encoding
- Tested device provisioning & clustering functionality (Redhat Linux/CentOS Kickstart & cloud)
- Validated multi-device streaming output & video encoding conformance

eBay (Portland, OR)

2012 - 2015

QA Engineer

- Led QA effort for the RedLaser on Android, a barcode scanning & geo-aware shopping testbed app
- Created hardware test harness for automated barcode scanning, speeding up QA cycle time by 50%
- Performed deep-dive QA on smart fitting room mirror project used at Nordstrom & Kate Spade

Intel (Hillsboro, OR)

2011 - 2012

QA Engineer (Contract)

- Developed automated test suite for validation of Intel HAXM, an Android emulator addon for Intel processors (Linux kernel module)
- Extended test framework built around Google's Android Compatibility Test Suite (CTS)
- Wrote developer documentation, product release notes, product specs, flow/process diagrams, and internal technical documentation

Anonymizer (San Diego, CA)

2007 - 2008

QA Engineer (Contract)

- Led effort to implement a virtual machine suite using VMWare to replace physical hardware, increasing QA efficiency by 300%
- Performed testing, debugging, and regression checks for all software releases and service deployments
- Wrote end-user documentation, developer documentation, and managed test case suite

ChemDiv (San Diego, CA)

2006 - 2007

System Administrator (Contract)

- Deployed company-wide open source VoIP telephony system (Asterisk) to replace legacy analog PBX, reducing call costs by 50%
- Maintained Windows domain infrastructure, mail servers, backup system, network firewall, network equipment, desktop computers, and computer-controlled laboratory equipment

SKILLS/TOOLS

Programming languages: Python, Javascript, Ruby, shell scripting, Lua

Test Methodologies: white box, black box, regression, integratio, unit testing, smoke testing, UAT, performance testing, load testing, usability testing, accessibility (a11y) testing, localization (l10n) testing

Tools: Cypress, Playwright, Selenium WebDriver, Appium, Espresso, Cucumber, Gherkin, MonkeyRunner, JMeter, Loadrunner, k6, Gatling, Katalon, Postman, Visual Studio Code (VSCode), DataGrip (SQL query & database tool), Jest, pytest, BitRise, BrowserStack, Sauce Labs, Jira, Confluence, Github, Gitlab, Gitea, Jenkins, CircleCI, git, Figma, Canva, Miro, Notion, ClickUp, TestRail, Bugzilla, SoapUI, Charles Proxy, XCUITest, XCode, Android Studio, Android Compatability Test Suite (CTS), Amazon Web Services (AWS), Azure, Google Cloud Platform, Wireshark, Zephyr, Linux, Windows, OS X, GLBenchmark, VMWare, Docker, VirtualBox, Proxmox, Linux CLI tools (curl, wget, grep, sed, netcat, jq, etc), Node.js, Yarn, npm, pnpm, HTML, CSS, JSON, MySQL, SQLite, REST APIs, Apache, NGINX