

Paul Kirkovsky

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kirkovsky.com/meet (Calendly)

Versatile automation engineer/SDET with a focus on quality, and process optimization. Broad industry experience including e-commerce, mobile, healthcare, biotech, streaming video delivery, and autonomous vehicles.

CORE COMPETENCIES

Test strategy | Test automation | Tool Development | Process optimization | Documentation | Leadership
Customer Success | Accessibility Testing | Security Testing | Deep-dive root cause analysis | Hardware

EXPERIENCE

Freelance

Remote (USA)

Full-Stack Software Engineer

July 2023 - Present

- Working on building skills and helping a friend launch a digital nomad company (surfhosting.cc)

Updater/MoveHQ

Remote (USA)

Lead Software Development Engineer in Test

Mar 2023 - July 2023

- Led team of SDETS, spearheaded CI/CD automation effort (E2E, UI, integration) using Cypress, ensuring service members have a seamless and stress-free full-service relocation experience
- Established standards for quality, engaged with all stakeholders to close the loop on quality and ensure requirements were consistent with customer needs (FedRAMP compliant, multi-company project)

Noom

Remote (USA)

Software Development Engineer in Test

Aug 2021 - Jan 2023

- Maintained 100% automated test coverage for critical business flows using Cypress, Postman/Newman
- Interfaced with customer support team daily, resolving high-severity customer issues with a 3-day SLA
- Standardized documentation & automated QA reporting across the company, adopted by 90% of teams
- Built custom integration for QA tools, reducing manual work by 50%, saving 4 days per month
- Actively contributed PRs for bug fixes, localization, UI changes, reducing dev workload 10% every sprint
- Designed & executed complex payment test scenarios (Stripe, Braintree, Apple Pay)

Amazon

Seattle, WA

QA Lead/Software Development Engineer in Test

May 2017 – May 2020

- Led QA effort launching Amazon Prime Now and Amazon Fresh, allowing millions of customers to receive 2-hour product delivery & fresh groceries
- Managed & guided 20-member offshore QA team, triaged tickets & performed root cause analysis
- Developed automated UI, API, load, and performance tests on Amazon Pipelines (aka AWS CodePipeline)
- Led testing efforts in accordance with WCAG standards to identify & verify accessibility compliance
- Led security testing efforts in accordance with OWASP guidelines to ensure product security
- Standardized documentation of team processes, tooling, and runbooks to eliminate churn & improve response time

Sharp Laboratories

Camas, WA

Software Development Engineer in Test (Contract)

May 2016 – Mar 2017

- Led in-house firmware recovery project, decreasing autonomous vehicle downtime from 1 week to 2 hours
- Created software installation scripts using Powershell, reducing test cycle time by 30%
- Developed automated test suites for validating streaming video, thermal camera, and chemical sensor data
- Developed custom Wireshark protocol dissectors using Lua

Elemental Technologies (now AWS Elemental)**Portland, OR****Senior Quality Assurance Engineer (Contract)***Sep 2015 – Feb 2016*

- Maintained and extended test suite for validation of clustering & video encoding
- Created automation for device provisioning & clustering functionality, reducing cycle time by 50%
- Validated multi-device video transcoding & streaming output, from desktop to mobile

eBay**Portland, OR****Lead Quality Assurance Engineer***May 2012 – Feb 2015*

- Oversaw RedLaser for Android, a barcode scanning & geo-aware shopping app for testing new technologies
- Coauthored an automated hardware test harness for barcode scanning, speeding up QA cycle time by 30%

Intel**Hillsboro, OR****Software Development Engineer in Test (Contract)***Jan 2011 – Mar 2012*

- Developed test suite for x86 Android emulator kernel module (HAXM), used by developers worldwide
- Extended test framework built around Google's Android Compatibility Test Suite (CTS)

Anonymizer, Inc**San Diego, CA****Quality Assurance Engineer (Contract)***May 2007 - Jul 2008*

- Pioneered usage of VMWare, significantly improving testing approach & cycle time

ChemDiv, Inc**San Diego, CA****System Administrator***Jan 2006 - May 2007*

- Sole sysadmin for a small biotech office
- Saved \$24,000 in annual costs by modernizing legacy analog PBX to an Asterisk-based VoIP system

Sanford-Burnham Medical Research Institute**San Diego, CA****Perl Developer (Intern)***Jul 2005 - Jan 2006*

- Maintained CutDB, a bioinformatics tool used in numerous biological research projects

TOOLS/SKILLS

- Python, Javascript/Typescript, Bash, Ruby, Lua, shell scripting, SQL
- Automated CI/CD testing on web, mobile (native & hybrid), API (Cypress, Playwright, Appium, Selenium, Postman, Swagger, Cucumber, Jest, pytest, XCUITest, Espresso)
- Performance, stress, load, spike testing (JMeter, LoadRunner, Gatling, k6)
- Accessibility testing
- Security testing
- GitHub Actions, Jenkins, CircleCI, Travis CI, Azure DevOps, other CI/CD tools
- Jira, Google Suite, Microsoft Office, Figma, TestRail, qTest, Bugzilla
- Mixpanel, FullStory, Datadog, BrowserStack, BitRise
- Charles Proxy, Wireshark, tcpdump, Burp Suite, HTTPie, mitmproxy, Postman, Newman, Insomnia, REST Assured, SoapUI