# Pavel (Paul) Kirkovsky

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## **Professional Summary**

QA automation specialist building modern test frameworks with Playwright, Cypress, and AI-enhanced workflows. Currently implementing LLM-assisted testing (Claude, OpenAI, Gemini, Mistral) and architecting scalable CI/CD-integrated test suites for continuous testing that significantly reduce regression time and deployment defects. Proven expertise leading QA teams and delivering enterprise-grade solutions across e-commerce, healthcare, autonomous vehicles, IoT, and cloud platforms.

**Core Competencies:** Web & Mobile Test Automation, API Testing, CI/CD Integration, AI-Assisted Testing, Cloud Testing, Performance & Load Testing at Scale, Network Protocol Analysis & Reverse Engineering, Test Strategy & Leadership

# **Professional Experience**

#### Consultant | QA, SDET, Automation Specialist | Remote | Jun 2025 - Present

- Building production-ready test automation using Playwright, Cypress, and Appium
- Implementing AI-enhanced testing workflows using Claude, OpenAI, Gemini, Mistral, and self-hosted AI models & tools to accelerate test generation and maintenance
- Integrating automated test suites into client CI/CD pipelines such as GitHub Actions, Azure DevOps, and CircleCI with comprehensive reporting dashboards
- Developing no-code/low-code automation solutions using n8n, UIPath, Tricentis Tosca, and Zapier
- Authoring technical documents, test strategy documentation, test plans, and QA playbooks to establish quality standards for engineering teams

#### CareOregon | Data Pipeline Quality Engineer | Remote | Mar 2024 – Jun 2025

- Automated ETL/ELT testing across Azure Data Factory, Databricks, and Snowflake, reducing data pipeline defects by 40% through comprehensive validation frameworks
- Spearheaded on-premises AI initiative for SQL validation using open-source LLMs, proposing automated query verification to reduce testing cycles
- Built Playwright automation for QNXT workflows and internal healthcare tools covering 15+ critical workflows, eliminating 20+ hours/week of manual testing
- Implemented RPA solutions using Microsoft Power Automate for repetitive validation tasks
- Integrated test suites into Azure DevOps CI/CD pipelines for mobile and web applications

#### Updater / MoveHQ | Lead SDET | Remote | Mar 2023 - Jul 2023

- Led SDET team in building comprehensive E2E automation using Cypress and Playwright, increasing regression coverage by 60% and reducing release delays by 40%
- Architected CI/CD testing pipelines with Okta authentication integration, eliminating 25+ engineering hours per sprint of manual testing
- Partnered with security and compliance teams to deliver FedRAMP-compliant features, ensuring government-grade security standards
- Established quality metrics and defect analytics, improving pre-production defect detection rate by 35%

#### Noom | SDET | Remote, New York | Aug 2021 - Jan 2023

- Achieved 100% automation coverage for critical user flows using Playwright and Cypress, cutting regression cycles by 50%
- Built API test automation using Postman/Newman for payment processing with Stripe and Braintree and internal APIs, enabling continuous testing with full CI/CD integration
- Developed custom QA dashboards for test observability and Jira integrations exposing defect trends, test
  coverage metrics, and release readiness indicators, providing real-time visibility to 100+ stakeholders and
  reducing reporting overhead by 20 hours per week
- Collaborated with cross-functional teams to resolve PO/P1 issues within 72-hour SLAs

#### Amazon | QA Lead / SDET | Seattle, WA | May 2017 - May 2020

- Led quality engineering for Amazon Prime Now and Amazon Fresh launches, managing 20-member offshore QA team through hands-on mentorship, bug triage, test execution training, and comprehensive test documentation
- Built scalable automation frameworks for UI, API, microservices, and performance testing integrated with CI/CD pipelines, enabling shift-left testing practices and reducing regression time by 50%
- Embedded WCAG accessibility and OWASP security standards into automated testing workflows
- Created standardized QA documentation and tooling, reducing engineer onboarding time by 30%

#### Sharp Laboratories | SDET (Contract) | Camas, WA | May 2016 – Mar 2017

- Developed automated test suites for video streaming and sensor data validation while authoring test plans,
   executing complex manual test cases, and progressively automating regression coverage
- Built custom Wireshark dissectors for proprietary protocols, enabling rapid network traffic analysis and root cause identification for autonomous vehicle systems
- Reverse-engineered and documented autonomous vehicle firmware recovery processes through hardware/software analysis, reducing critical downtime from one week to two hours
- Performed deep-dive network analysis using Wireshark and tcpdump to troubleshoot sensor communication
- Created PowerShell automation reducing test execution time by 30%

# Elemental Technologies (AWS Elemental) | Senior QA Engineer (Contract) | Portland, OR | Sep 2015 – Feb 2016

- Extended automation coverage for multi-device video streaming platforms, improving test reliability across diverse device configurations
- Optimized device provisioning and cluster testing workflows

#### eBay | Lead QA Engineer | Portland, OR | May 2012 - Feb 2015

- Directed QA for RedLaser Android app (23M+ downloads), implementing hardware test harnesses to accelerate mobile regression testing
- Built geo-aware barcode scanning test frameworks supporting next-generation commerce features

#### Intel | SDET (Contract) | Hillsboro, OR | Jan 2011 - Mar 2012

- Authored developer documentation for x86 Android Emulator kernel module (Intel HAXM)
- Developed automated test suites for Android emulator adopted by 1M+ Android developers worldwide
- Extended Google CTS framework for hardware-accelerated testing

### **Technical Skills**

**Modern Test Automation:** Playwright, Cypress, Appium, Selenium, WebDriverlO, TestCafe, Puppeteer, Postman/Newman, Jest, pytest, REST Assured, Cucumber/BDD, Behave, SpecFlow, XCTest, Espresso, Detox, Maestro, Percy, Tricentis Tosca

Al & Automation Platforms: Claude, OpenAl, Google Gemini, Mistral, Cursor, GitHub Copilot, LM Studio, LLaMA, n8n, UIPath, Zapier, Microsoft Power Automate

Programming & Scripting: TypeScript/JavaScript, Python, SQL, Bash, PowerShell, Ruby

Operating Systems: Linux, macOS, Windows, iOS, Android, Unix

**CI/CD & DevOps:** GitHub Actions, Azure DevOps, AWS CodePipeline, Jenkins, CircleCI, GitLab CI, Bitbucket Pipelines, Travis CI, Bamboo, Docker, Terraform, Ansible

**Cloud & Data Platforms:** Azure (Data Factory, Databricks), Snowflake, AWS **Performance & Load Testing:** JMeter, Gatling, k6, Locust, LoadRunner

**Collaboration & Project Management:** Jira, Confluence, Slack, Notion, Microsoft Teams, Zoom, Linear, ClickUp, Airtable, Trello, Asana, Figma, SharePoint

**Development & Test Management Tools:** VS Code, Visual Studio, GitHub, GitLab, Azure Repos, Bitbucket, TestRail, qTest, Zephyr, Xray

Quality Standards: WCAG Accessibility, OWASP Security, BDD/TDD, Test Strategy, FedRAMP Compliance