

James C. Peters

508-808-0650 | Seattle, WA, 98125

[My LinkedIn](#) | pavedwave@gmail.com

PROFESSIONAL SUMMARY

Software QA Engineer committed to building results-driven automation tools and leading highly productive test teams focused on customer feedback and satisfaction. Specialize in testing Mobile devices and text input applications. Pursuing passions and interest in web development and test automation.

SKILLS

- Lead teams of SDETs to build integration and regression test tools for Android and iOS software distributed to hundreds of millions of users. *Core Technology: Java, Python, Appium, Android Studio, and Jenkins.*
- Develop automated tests that log, verify, and regress high volumes of software defects.
- Continuously improve manual and automated test plan and test case documentation for integrated and embedded software systems; Focus scripts and handset tests based on coverage metrics.
- Configure and admin test and versioning tools; JIRA, SVN, Git, Jenkins, Test Track Pro, Rational ReqPro, Visual Test, and python test harnesses. Evangelize Quality Assurance best practices.
- Design and present outputs from competitive analysis python scripts, using customer feedback to continuously improve product. Negotiate schedules with PMs in fast-paced environment.
- Proven track record for improving and delivering production-ready documentation, defining configuration management process improvements, UI/UX interfaces, webpages, and test code.
- Hire, train, and manage large FT, contract, and outsourced test and engineering teams.
- Nurture a positive team atmosphere rewarding individual creativity, productivity and results.

PROFESSIONAL DEVELOPMENT, EDUCATION, AND ACTIVITIES

<p>Full Stack Web and Mobile Development Bootstrap/Angular/React/React Native Apps, Enzyme/Jest, Selenium NuCamp Bootcamp (Sep 2018- Apr 2019)</p> <p>JavaScript, HTML, CSS Coursera, Udemy, KhanAcademy, online studies</p> <p>Python Game Programming Coursera</p> <p>C Programming (through Intermediate) University of Washington Extension</p> <p>Requirements Management Construx</p>	<p>Full Stack Apprentice MeetUp AWS/DynamoDB/React Apps (Sep 2018 - Apr 2019)</p> <p>Selenium/Appium Mobile Testing on Android Udemy (current)</p> <p>Building Web and Database Apps in PHP and SQL Coursera (3-course program)</p> <p>Software Testing Automation with Visual Test Programming Fundamentals in VB Bellevue College Continuing Education</p> <p>Bachelor of Arts in Communications Bachelor of Arts in Psychology University of Washington</p>
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EXPERIENCE

Senior Software Quality Assurance Engineer

Base2 Solutions April 2019 - present

Web Developer (contract)

Enjoylakecity.org website overhaul for Lake City - Nov 2018 - present

Principal Technical Manager | QA Project Manager | Principal QA Engineer

Nuance Communications (*acquisition of AOL/Tegic Communications*) 2007 - 2018

Designed and executed QA automation, compressing weeks of manual testing into 2-3 day cycles, increasing Release Management cadence five-fold. Analyzed keyword trends from Google consumer ratings, escalating highest customer impact to Program Management and Development, successfully maintaining 4.0+ ratings for Swype on Google Play Store. Hired and professionally developed multiple full-time and contract teams worldwide, maximizing efficiency of up to 30 direct reports at peak growth. Mentored team members in UI/UX automation and Android/iOS device troubleshooting, developing many new career engineers and leads.

- Hands-on tested, troubleshoot and interacted with customers reporting defects in Swype / XT9 text input, turning negative feedback into 5-star reviews. Devices: Android, iOS, Amazon Kindle.
- Analyzed Crashlytics to create JIRA status reports for devs and PMs, improving Swype stability.
- Strengthened reliability of cloud-based Connected Services by addressing customer-reported defects.
- Negotiated schedules with Product Management through full SDLC cycles in an Agile/Scrum environment, outlining test strategies and risks to allocate team resources across 10+ projects simultaneously.
- Developed CMMI (Capability Maturity Model Integration) process with Sr. Management, running internal audits to establish consistent, high quality deliveries, achieving Maturity level in the 3--4 certification range.
- Implemented vision for test development (scripting emulator testing, user-driven monkey tests, VR research)

Principal QA Engineer | Sr Software QA Engineer | Software QA Engineer

AOL Wireless (*acquisition of Tegic Communications*) 1999 - 2007

Built innovative automation solutions for a start-up engineering team, reducing 1.5-month test cycles down to 1-2 weeks. Isolated critical failures earlier in the test cycle by increasing intelligence and integrity of monkey tests. Matured the test process, establishing 90%+ conditional and 100% functional coverage on test code and manual testing using Bullseye code coverage tool. Designed and scripted functional automation frameworks for T9 text input languages. This enabled rapid scaling of tests as the language count climbed rapidly from 10 to 100+.

- Collaborated remotely with the Nuance Mobile Care team, launching the first NMC client, a product that intercepted customer calls and resulted in significantly reduced management costs.
- Scripted web-based linguistics tool using Selenium with python to run verification tests and analyze output of large linguistic datasets on T9/XT9 text input.
- Designed and executed end-to-end test suites for Instant Messenger, successfully launching the first stable software development releases of IM on SMS and WAP devices for AOL.
- Defined defect and versioning tool processes (Star Team, JIRA, WinCVS); Mentored teams on usage.
- Took on progressively lead roles, accountable for defining processes, product requirements, problem-solving techniques, creative testing solutions, and guiding test strategies for satellite teams worldwide.
- Designed and evangelized automated test strategy and tools for integration teams outside our domain, demonstrating live, run-time harnesses, metrics, and manual test techniques.

Software QA Engineer

Microsoft (*contract*) 1998 - 1999

Executed functional, configuration, and app-compatibility testing. Independently built up a hardware test lab. Verified Japanese UI and functionality of 3D interactive ESL educational software.