

Aaron Evans

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Test Automation, Continuous Delivery, Software Development

Objective

Help software development teams reliably deliver value by creating higher quality products faster.

Summary

I have over 15 years of experience in software testing & development, including 5+ years as a technical lead. My specialty is building test automation and continuous integration solutions with open source tools.

I'm a big fan of agile processes (especially iterative, test driven development) but not attached to any single methodology or tool. I focus on working effectively with others and getting things done. I have worked at large enterprises and small startups, as both an employee and a consultant. I have a passion for testing and improving software development & delivery processes. I love to learn and to mentor others.

I am available for remote consulting work.

Work Experience

Wells Fargo (Consultant)

March 2021 – July 2021

Title: Focused Coach

Job Description: Evaluate and train teams on unit testing, code coverage, refactoring, mocks

Accomplishments:

- Design and present unit test strategy to VPs of agile & digital transformation
- Develop & deliver 5 day training courses on unit testing for multiple platforms:
 - Java / SpringBoot / JUnit / Mockito / Jacoco / Pitest
 - C# / Dotnet Core / XUnit / Moq / Coverlet / Stryker
 - JS / Angular / Jasmine / Karma / Jest
- Github Enterprise / Jenkins / SonarQube
- Engage with multiple teams to evaluate and improve test coverage and quality
- Teach and mentor other coaches

Testery

June 2020 – Sept 2020

Title: Director of Professional Services

Job Description: I lead a team of test automation and continuous delivery experts helping companies build better, faster, more reliable test automation.

Accomplishments:

- Build test automation frameworks in Typescript (Mocha, Cucumber), C# (NUnit, RestSharp, Specflow), Javascript (webdriver.io)
- Train developers and testers on automation best practices and solutions
- Implement continuous delivery using various tools: Jenkins, Github, Gitlab, etc
- Deliver POC and working code for Testery infrastructure and using AWS & Azure clouds

Sauce Labs

November 2016 – April 2020

Title: Senior Solution Engineer

Job Description: Help customers implement test automation and continuous integration/delivery using Sauce Labs infrastructure.

Accomplishments:

- Train teams from Fortune 500 companies in Selenium & test automation best practices
- Build test frameworks demonstrating parallelization, page objects, & best practices
- Troubleshoot firewall and proxy server settings to enable testing with Sauce Connect
- Handle technical onboarding, training, and support with Sauce Labs
- Create and deliver on-site and webinar based instruction for test automation teams
- Teach & help implement continuous integration, delivery and testing for clients.

Hart

January 2016 – November 2016

Title: Quality Tools Engineer

Job Description: Build test automation solutions for medical records integration applications

Accomplishments:

- Build test automation framework for Hart web applications using Webdriver/Javascript
- Develop tests for API / micro-service architecture using Node.js, Golang, Scala
- Lead several training courses on Unit testing, Test Automation, BDD, and TDD
- Mentor team members on testing best practices
- Build continuous integration using Jenkins

Dio

September 2013 – January 2016

Title: Quality Engineering Lead

Job Description: Lead testing efforts and develop automation for aviation market intelligence tools

Accomplishments:

- Maintain & update existing test automation harness (Selenium, Java, JSON)
- Build new page object based test automation framework (Java, BDD)
- Administer continuous integration servers (Jenkins)
- Hire and train manual and automation testers
- Lead the Quality Engineering team

Ancestry.com

July 2012 – August 2013

Title: Senior Software Engineer in Test

Job Description: Help development and QA teams build test automation tools & teach QA best practices

Accomplishments:

- Build dashboard and REST services for “Quality Bot” page comparison scraping tool (Node.js)

- Update “Agile Metrics” application with defect coverage reports from Microsoft TFS (Rails)
- Embed on internal “startup” team building prototype applications
- Write scripts to enable continuous delivery and improve code testability
- Deliver company-wide presentation on “Refactoring for Testability”

Alaska Airlines

June 2011 – December 2011

Title: QA Lead

Job Description: Lead QA team for Alaska Air mobile application & website testing

Accomplishments:

- Write test plan & test cases for mobile application and manual tests
- Triage defects with remote vendor design and development team
- Implement data driven web service test automation framework (C#, NUnit, Selenium)
- Integrate automated test results with HP Quality Center (C#, OTAClient)
- Build proxy web service for injecting test data in real time SABRE web results (e.g. cancel flights)

Airbiquity

February 2011 – May 2011

Title: Test Automation Engineer

Job Description: Test web portal, mobile application, and web services for Ford electric vehicles

Accomplishments:

- Write test plan and implement testing procedures for RESTful web services
- Develop test case extraction tool (from MS Word to MySQL database)
- Integrate utility pricing data with Microsoft Utility Rate Service (Java, OData)
- Integrate web and mobile application with MapQuest API
- Deployment to test environment & develop smoke tests

Ekagrasoft

August 2010 – December 2010

Title: Automation Developer

Job Description: Develop automation framework for web service testing

Accomplishments:

- Implement automated testing of SOAP web service
- Extend JUnit test runner to report custom results, map requirements to automated tests
- Build integration between JUnit and HP Quality Center in C# using the Open Test Architecture API
- Develop data driven test layer for automated tests

- Adapt build script (ant) and execute automated tests with Hudson for continuous integration

DomainTools

January 2010 – September 2011

Title: QA Lead

Job Description: Direct quality assurance efforts for the development team at DomainTools

Accomplishments:

- Develop unit tests and train developers on unit testing with PHPUnit
- Build test automation framework using Selenium
- Lead defect tracking and bug triage
- Agile process training and leadership
- Review code quality and testing coverage

Amazon.com

September 2009 – December 2009

Title: SDET

Job Description: Test automation development for Amazon Magazine Subscription Manager

Accomplishments:

- Design and implement test harness and framework (Selenium, Java, and Junit)
- Write automated test cases & suites
- Cross browser compatibility testing (Selenium Grid)
- Test data setup and analysis (Oracle)
- Building mock objects and data access objects to assist testing

Speakeasy

April 2008 – February 2009

Title: Quality Assurance 3 (SDET)

Job Description: Test Automation and integration testing for Speakeasy Voice (VOIP appliance & website)

Accomplishments:

- Write automated integration tests using Selenium and Fitnesse (STIQ framework, Selenium IDE)
- Create test harness for automation execution and reporting (JUnit, TestNG, Selenium RC)
- Setup VMs and “mock” results for testing integration with external services (VMWare)
- Troubleshoot complex environment issues
- Write Perl scripts for test data setup and environment status reporting

Varolii *January 2007 – October 2007*

Title: Test Lead

Job Description: Lead tester for "Solution Director" graphical process definition application for telephony

Accomplishments:

- Create test environment and automate build process (Ant, Luntbuild)
- Test team task management and bug triage (Bugzilla)
- Training employees and document product testing and environment procedures and settings
- Test automated telephony call flows defined in flowchart-like diagrams
- Develop automated regression tests for Eclipse RCP client (using Instantiations WindowTester)

Boeing *January 2006 – December 2006*

Title: System Integration Tester & Team Lead

Job Description: Hardware & software system installation & testing for air-to-ground network & wifi

Accomplishments:

- Setup & document network configuration simulating in-aircraft and enterprise ground systems
- Write test cases and coordinate integration test team efforts
- Lead defect triage and prioritize bug fixes
- Cross- team training with vendor software development teams
- Test data migration (import Bugzilla defects to ClearQuest)

Real Networks

December 2004 – June 2005

Title: Quality Assurance Engineer

Job Description: Manual and automated testing, internationalization and integration testing

Accomplishments:

- Test internationalization (locale, language, currency, layout) of Real.com and internal CMS engine
- Write automated system tests & unit tests
- Develop load test scripts and analyze performance bottlenecks (JMeter, LoadRunner)
- Maintain QA wiki documentation
- Test integration with third party (Yahoo) RSS & media feeds with Real Player

QPass *May 2004 – November 2004*

Title: Tester

Job Description: Manual and automated testing of Wi-Fi captive portal and mobile purchase platform

Accomplishments:

- Test B2B enterprise system (J2EE, EJBs, servlets, web services)
- Test Wi-Fi captive portal with RADIUS authentication
- Build test data generation scripts
- Test custom CRM and payment processing service
- Develop performance test suite (LoadRunner)

AT&T Wireless

August 2000 –April 2004

Title: Test Analyst / Developer

Job Description: Test web site and B2B web “services”, develop test automation and tools

Accomplishments:

- Test e-commerce website, B2B web services
- Integration testing between web, UNIX and mainframe systems
- Develop tools for verification of database, XML web service, and back end systems (Perl, Python)
- Maintain AT&T internal defect tracking tool (Perl)
- Design and lead development of employee time tracking web application (VBScript)
- Write automated tests for Siebel CRM system (WinRunner, Quick Test Pro)
- Train customer support representatives & testers on Siebel CRM system
- Train and coordinate transition to outsource test team

Microsoft

May 2000 – September 2000

Title: Tester / Test Lab Administrator

Job Description: Execute automated tests and for precursor to Office Live using early .NET

Accomplishments:

- Manage build system & version control for large team of 75+ developers
- Lab administration for 200+ computers (test clients & servers)
- Execute automated tests (JScript)
- Bug tracking & troubleshooting (RAID)
- Build verification and deployment scripts (batch files)

National Computer Solutions

January 1997 – April 2000

Title: Lead Support Technician / System Administrator

Job Description: Tech support and system administration (with a little web development)

Accomplishments:

- Maintain dial-up ISP servers (Linux) & modems
- Build and repair PCs
- Design and build web sites (HTML)
- Provide call-in and on-site technical assistance
- Write customer support content (FAQ/Knowledgebase)

Technical Skills

Operating Systems: Linux, Mac, Windows

Programming Languages: Java, C#, JavaScript, Python, Ruby, PHP, Perl, C

Test Automation: Selenium WebDriver, Appium, Watir, Quick Test Pro

Web Service Testing: RestAssured, Postman, SoapUI, Requests, Fiddler, cURL, Wireshark

Performance Testing: LoadRunner, JMeter

Unit Test Frameworks: JUnit, TestNG, NUnit, XUnit, Mocha, Jasmine, RSpec, py.test, PHPUnit

BDD Test Frameworks: Cucumber, Fitnesse, RSpec, Specflow

Defect Tracking/Test Management: Jira, Bugzilla, Trac, Redmine, Mantis, Quality Center ALM

Build Automation: maven, gradle, ant, make, rake, Nuget

Version Control: git, subversion, TFS, ClearCase

Web Development: HTML, CSS, JS, AJAX, JQuery, Rails, Node, Meteor, Angular

Web/App Servers: Apache, Nginx, Tomcat, IIS

Databases: MySQL/MariaDB, PostgreSQL, SQLite, Oracle, SQL Server, MongoDB, Redis

IDEs: IDEA, Eclipse, NetBeans, Visual Studio

Continuous Integration: Jenkins, Bamboo, CircleCI, Github Actions

Command Line: bash, vim, ssh, DOS

CRM: Salesforce, SugarCRM, Siebel

Document Management: Confluence, XWiki, SharePoint, Alfresco

CMS: Wordpress, Drupal, SilverStripe

Office Suites: Microsoft Office, LibreOffice

Education

Oregon Institute of Technology (1997-1999)
Computer Science
Klamath Falls, Oregon