Christopher Robert Hardy

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**Experienced Software Engineer that specializes in QA Software Test Automation (SDET) and Devops engineer.**

As a Devops engineer, I design systems to automatically deploy and test software, write reports for real-time check-in of software and execute Daily Regressions. I trouble shoot with Developers and QA issues that might arise during the Jenkins "Jobs" for each specific set of tests during CI and Daily Regression. I configure the CI/CD pipeline using Azure Devops, Jenkins, Docker, and Artifactory, Ansible and Kubernetes to be able to deploy multiple projects.

As a QA Software Test Automation Engineer, I use various tools such as Junit, TestNG, Rest Assure, Cucumber, SoapUI, and JMeter to write custom middle and back-end test automation software applications. I create Test Plans, Test Strategies, and formulate extensive Test Procedures and Test Cases.

**If you want a well-rounded QA Software Test Automation Engineer and Devops engineer, then I am your perfect fit.**

**Technical Skills**

Languages:            Java, Groovy, SQL, XML, JSON, Bash

CI/CD: Azure Devops, Jenkins, Docker, Artifactory, Ansible, Kubernetes

Testing Frameworks: TestNG, JUnit, RestAssure

Testing Tools: JMeter, SoapUI

Build Tools: Gradle, Maven

Source Control: Git, GitHub, CVS, JIRA, Confluence, RTC

Databases:            Cassandra, Oracle 11, MySQL

O/S:                        Linux, and Windows

Editors:              Intellij, Eclipse

**PROFESSIONAL EXPERIENCE**

**Nuance Health** Burlington, MA April 2020 – Present

*SRE (Site Reliability Engineer)*

**Skills Utilized: Azure Devops, Powershell, Agile, GitHub, JIRA, Grafana, Prometheus**

*Lead a joint SRE team in United States and a development team in India to build out a brand-new CI/CD pipeline with new a challenging requirement. Build and maintain CI/CD Azure Devops pipelines using Infrastructure as Code with YAML. Built and maintained data centers in Azure Portal. Created resources, VMs, applications, subscriptions, networking, storage, monitoring, traffic managers/Front Door, etc. as part of clearly defined resource groups enabling organization of development, staging and production environments. Leading daily agile team as a SRE to improve Agile methodologies. Lead project to build a large-scale CI/CD pipeline while prioritizing other work to build and maintain Azure Portal resources data centers. Created and built monitoring using Nagios, Grafana and Prometheus. Learn, Document, and create SOP for new technologies and How To through KT - knowledge transfer sessions.*

**IBM – Watson Health Imaging** Cambridge, MA November 2016 – March 2020

*Lead QA, SDET Software Developer in Test, CI/CD, Devops* [IBM Watson Health](http://www.ibm.com/smarterplanet/us/en/ibmwatson/)

**Skills Utilized: Jenkins, Java , Groovy, bash, SQL, Docker, Artifactory, Linux, Agile, GitHub, JIRA, RestAssured, Junit, TestNG, Cassandra, NiFi, Kafka, AppScan, Wicked Scan, SonarQube, Anchore Scan, Gradle, Maven**

*Use my CI/CD, QA Test Automation knowledge to create a process and environments for the Watson Health Imaging teams. I am teaching various classes around CI/CD and Agile methodologies as well. I currently support four agile squads composing of approximately eight team members each, and in the future supporting three more in regard to SDET, Devops and maintenance of product customer, development and test environments. I employ deploying to the IBM Cloud using Kubernetes, and Ansible.*

*Developing a robust QA Automation framework using Rest Assure, TestNG and JUnit to test Web Service APIs. Use my CI/CD knowledge to create a process and environments for the Watson Health Imaging team. I am teaching various classes around CI/CD and Agile methodologies.*

**IBM – Watson Core** Littleton, MA April 2015– Oct. 2016

*CI/CD - QA Automation Engineer* [IBM Watson](http://www.ibm.com/smarterplanet/us/en/ibmwatson/)

**Contractor - NewGen**

**Skills Utilized: Jenkins, Java, Groovy, Bash, Linux, Agile, Eclipse, Intellij, SQL, RTC, GitHub**

*Involved testing applications for the IBM Watson project. I focused mainly on TestOps for Watson Core and QA automation of the REST API's within the applications. I used custom java API's to thoroughly test over 20 micro services in a short amount of time.*

*I spent my first 10 months as a CI/CD engineer. I supported the entire IBM Watson QA Automation Group. I utilized Jenkins as a tool to create an environment for QA team to have an automated Continuous Integration and automated DR (Daily Regression) suites. I handled daily DR Review for all of QA, major and minor issues on a priority basis, and enhanced the current Jenkins configurations for all jobs. I also handle the Release Coordination of each three-week sprint for the review of the Daily Regressions.*

**Scholastic**  Watertown, MA Sept 2014– March 2015

*Lead QA Engineer*  [Scholastic](http://www.scholastic.com/home/)

**Contractor – Addison Group**

**Skills Utilized: JMeter, Java, Agile, Xml, Eclipse, SQL, Git, Linux, JIRA, Confluence, HP Quality Center**

*Lead QA Engineer of a few teams for Scent 2.0 Platform. Designed and implemented a JMeter test framework to test various web services for the new Scent 2.0 Core Platform. Learned TDD and ATDD methodologies using Junit and JMeter. Created test cases for defects in the SAM product line and tested them. Executed regression testing for SAM product line and regression tested various products.*

**Health Edge** Burlington, MA Dec 2012 – May 2014

*QA Automation Engineer* [*HealthEdge*](http://www.healthedge.com/)

**Skills Utilized: Java, JUnit, Agile, Xml, Eclipse, SQL, Perforce, Linux, JIRA, SoapUI, Groovy**

*Designed and implemented the automation test framework for the Care Admin interface using Java and JUnit. Manually tested and created test plans for the UI mapping, regression tests and business scenario tests that laid out the entire test coverage for the interface between two applications. Helped with the process using agile methodologies as a scrum master and active participant in every standup, story time, retrospective and sprint planning per two-week sprint. In doing so we stream lined all aspects of the scrum process.*

**EMC - RSA** Bedford, MA May 2012 - Dec 2012

*QA Automation Engineer* [*RSA-EMC*](http://web.emc.com/)

**Contractor – Vesume Group**

**Skills Utilized: Java, Groovy, SoapUI, Agile, Xml, Eclipse, SQL, Jenkins, Windows, JIRA**

*Designed the automation test framework using the SoapUI tool. Solved the problem of how to use the SoapUI too to meet the test automation requirements. Manually tested and frequently found bugs, about 33% better rate within the web browser for the application UI. I solved the problem where test automation was lacking to shorten the manual testing, in turn all regression testing that was manual was on its way to be automated with a test coverage of at least 50%-60%.*

**MIT Lincoln Laboratory** Lexington, MA Sept 2010 - June 2012

*QA Automation Engineer* [*MIT LL*](http://www.ll.mit.edu/)

**Contractor – Minuteman Group**

**Skills Utilized: Java, Groovy, Agile, XML, Eclipse, Linux, TestNG, SQL, MVN, SVN, Hudson, Windows**

*Designed the test automation framework and over 200 test cases for the project starting with zero test cases. Created a smoke test and regression test tools to report results daily which gave the lead, developers and QA a better idea very early on when code breaks the regression test automation test cases. Pioneered the design of a XML checker to test the most current XML schemas.*

**Additional PROFESSIONAL EXPERIENCE**

**proServicesCorp** Trenton, NJ Feb 2008 - June 2010

*Process Developer/Tester and Defect Analysis* [*proServicesCorp*](http://proservicescorp.com/)

**RDECOM – S&TCD** Ft. Monmouth, NJ Jun 2007 - Feb 2008

*Information Assurance Software Engineer* [*DSCI*](http://www.dsci.com/)

**Contractor - DSCI**

**BAE Systems** Wayne, NJ Mar 2006 – June 2007

*Principal Software Engineer* [*BAE Systems*](http://www.baesystems.com/home)

**Lockheed Martin** Moorestown, NJ Mar 2005 – Feb 2006

*Member of the Engineering Staff* [*Lockheed Martin*](http://www.lockheedmartin.com/)

**Computer Science Corporation** Mt. Laurel, NJ Jun 2001 – Mar 2005

*Associate Member of the Technical Staff* [*CSC*](http://www.csc.com/)

**EDUCATION**

**Rowan University** Glassboro, NJ Sept 1997 – May 2001

Bachelor of Computer Science

**Ocean County College** Toms River, NJ Sept 1993 – May 1997

A.S in General Engineering

**Villanova University** Philadelphia, PA Jun 2010 – Dec 2010

Certificate Test Engineering

**Activities**

**Freemasonry of Massachusetts** September 2016 - present

**Town of Acton Recreation Board Member** September 2019 – Present

**Merriam Elementary School PTO** September 2014 - Present

**AXP Fraternity – Rowan University** September 1997 – June 2001

President, V.P. and events/fundraising/mentor

**Airforce Junior ROTC** September 1990 – June 1993

V.P. and events/fundraising/mentor