

**CHRISTOPHER ROBERT HARDY**  
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**christopherhardy@gmail.com**

Experienced Software Engineer that specializes in Devops engineer, QA Software Test Automation (SDET), and Product Management/Scrum Master.

- As a SRE / Devops engineer, lead the efforts and incorporated the Agile process into an end to end CI/CD workflow to build, test, and deploy using technologies such as Maven/Gradle, Docker, JFrog/Nexus, Kubernetes, AWS/IBM Cloud/Azure, and Ansible/Terraform/Helm/Python/PowerShell/Bash
- As a QA Software Test Automation Engineer, lead teams to create various test frameworks and tools using Junit, TestNG, Rest Assure, Cucumber, and JMeter to write custom web services, middle and back-end test automation. Formulated extensive Test Plans, Test Strategies, Test Procedures, and Test Cases
- As a Project Manager, Agile Coach, and Scrum Master, I lead and facilitate the team of seven engineers. We owned several applications such as GitLab, Vault, Nexus, SonarQube, Fortify, and a few more, which entails deploying, upgrading and troubleshoot during outages for thousands of military War-Fighters

If you want a well-rounded Lead SRE, Devops Engineer, QA Automation Engineer, and Project Manager / Scrum, then I am your perfect fit.

**TECHNICAL SKILLS**

- Languages: Java, Groovy, Python, SQL, XML, JSON, Bash
- CI/CD: AWS, Azure Devops, Jenkins, GitLab, Docker, Artifactory, Ansible, Kubernetes, Salt, ARM-Templates, Helm, Terraform
- Testing Frameworks: TestNG, JUnit, RestAssure
- Testing Tools: JMeter, SoapUI
- Build Tools: Gradle, Maven
- Source Control: Git, GitHub, CVS, RTC
- Databases: Cassandra, Oracle 11, MySQL
- O/S: Linux, and Windows
- Editors / Tools: IntelliJ, Eclipse, JIRA, Confluence

**PROFESSIONAL EXPERIENCE**

**WERFEN, Bedford, MA**  
**Senior DevOps Engineer**

November 2021 to Present

Skills Utilized: AWS, Kubernetes, Python, Helm, Terraform, Bitbucket, Jenkins

- Manage / Design / Implement multiple projects Devops CI/CD pipelines. Maintain and enhance Software Development infrastructure (BitBucket, Jenkins, Artifactory, Coverity, Sonar Qube) deployments with Automation deploying to vSphere VMs in a Linux and Windows environments. My role besides a Senior Devops Engineer also entails the daily activities and responsibilities of a Project Manager and Scrum Master.

**OMNI FEDERAL, Boston, MA**  
**Senior DevOps Engineer**

April 2021 to November 2021

Kessel Run Project for the United States Air Force

Skills Utilized: AWS, Kubernetes, Python, Helm, GitLab, Lens

Maintained, deployed, and upgraded GitLab, Sonarqube, Vault, Nexus applications to serve 1000's of war-fighters in the U.S. military by using technologies such as AWS, Kuberenetes, Docker, Helm, Python, and Bash in a timely manner

**NUANCE HEALTH**, Burlington, MA  
**SRE (Site Reliability Engineer)**

April 2020 to April 2021

Skills Utilized: Azure Devops, Powershell, Agile, GitHub, JIRA, Nagios, Grafana, Prometheus, Salt, ARM-Templates

- Lead a joint SRE team in the United States and a development team in India to build out a brand-new CI/CD pipeline with new challenging requirements. 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 tools 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  
**Lead QA, SDET Software Developer in Test, CI/CD, Devops**

November 2016 to March 2020

IBM Watson Health

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 composed 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  
**CI/CD - QA Automation Engineer**

April 2015 to October 2016

IBM Watson

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

September 2014 to March 2015

**Lead QA Engineer**

Scholastic

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

December 2012 to May 2014

**QA Automation Engineer**

HealthEdge

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 streamlined all aspects of the scrum process

**EMC – RSA**, Bedford, MA

May 2012 to December 2012

**QA Automation Engineer**

RSA-EMC

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 tool 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

September 2010 to June 2012

**QA Automation Engineer**

MIT LL

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**

**PROSERVICES CORP**, Trenton, NJ February 2008 to June 2010  
**Process Developer/Tester and Defect Analysis**  
 ProServicesCorp

**RDECOM – S&TCD**, Ft. Monmouth, NJ June 2007 to February 2008  
**Information Assurance Software Engineer**  
 DSCI  
 Contractor - DSCI

**BAE SYSTEMS**, Wayne, NJ March 2006 to June 2007  
**Principal Software Engineer**  
 BAE Systems

**LOCKHEED MARTIN**, Moorestown, NJ March 2005 to February 2006  
**Member of the Engineering Staff**  
 Lockheed Martin

**COMPUTER SCIENCE CORPORATION**, Mt. Laurel, NJ June 2001 to March 2005  
**Associate Member of the Technical Staff**  
 CSC

## **EDUCATION**

**Rowan University**, Glassboro, NJ September 1997 to May 2001  
 Bachelor of Computer Science

**Ocean County College**, Toms River, NJ September 1993 to May 1997  
 A.S in General Engineering

**Villanova University**, Philadelphia, PA June 2010 to December 2010  
 Certificate Test Engineering

## **ACTIVITIES**

**AIR FORCE JROTC**, Jackson, NJ September 1990 to June 1993  
**Vice President**

**ALPHA CHI RHO FRATERNITY**, Glassboro, NJ September 1997 to May 2001  
**President**

**MERRIUM ELEMENTARY PTO**, Acton, MA September 2015 to 2019  
**Fall Fair Committee Chair**

**FREEMASON OF MASSACHUSETTS**, Lexington, MA  
**District Webmaster / Marketing**  
**Lodge Webmaster / Marketing**  
**Member of Tahattwan Lodge**

December 2015 to Present

**TOWN OF ACTON**, Acton, MA  
**Recreation Committee**  
**Economic Development Committee**

September 2021 to Present

**ABY SOCCER 3RD / 4TH GRADES**, Acton, MA  
**Head Soccer Coach**

October 2019 to Present