

ROBERT TURNER

IT QA/QC MANAGER, TEST AUTOMATION ENGINEER/ARCHITECT

Current Professional Experience

Mount Sinai Medical Center

September 2018 to Present

- ▶ Established formal QA processes for unit, integration and acceptance testing for a team engaged in digital transformation of several legacy web applications.
- ▶ Evaluated several automated testing tools and methodologies, and implemented automated Data Driven testing frameworks including integration with Cucumber, using Selenium/Java and Katalon Studio/Groovy along with GIT for source control.
- ▶ Wrote automation for several web and mobile applications using Katalon Studio/Groovy and Selenium/Java.
- ▶ Coordinated all the activities of a geographically diverse QA team.
- ▶ Provided periodic updates of the QA team's activities to upper level management
- ▶ Created a series of Data Driven Test Suites using Test Complete.
- ▶ Web Services API Testing using Postman and Katalon studio
- ▶ Developed a performance testing suite for an Enterprise critical application using JMeter

Federal Reserve Bank of New York

July 2015 to August 2018

- ▶ Test Automation Engineer using Selenium/Java/Cucumber for automating several projects including the ability to execute Javascript functions from Selenium.
- ▶ Wrote a Selenium Java code generator to create all Page classes and a significant percentage of tests, reducing the amount of time that it takes to automate a project.
- ▶ DEVOPS Test Engineer where I identify, create and automate test cases using Selenium, Axe framework and UFT including the ability to execute Javascript functions from UFT.
- ▶ Developed automated tests using an Excel base keyword automation framework.
- ▶ Architected an enterprise wide system for the automation of email testing using C#.net
- ▶ Analyzed the performance of tests developed and run through a keyword driven framework
- ▶ Develop test data management strategy to provide reliable data for automated tests in a keyword driven framework.
- ▶ Architected a utility to provide analysis and reporting on the data and metadata in an excel based keyword driven framework. This was accomplished by designing a Normalized relational database in SQL Server, to hold all information for test steps, test data, configuration data etc. from all the spreadsheets in this framework. Analysis and reporting were done using queries written against this database.

- ▶ Wrote scripts in VB for automated testing of the REST API for a Mobile application. This included a customized parser for a JSON document that has an HTML document embedded into it.
- ▶ Developed traceability matrix for testing of mobile application
- ▶ Designed and Developed test cases for mobile application
- ▶ End to end testing of Mobile application for Blackberry and iPhone.
- ▶ Architected Test automation for distributed tests using the AWS api from Java.
- ▶ Maintenance and enhancement of a Test automation framework written using Excel VBA and HP UFT.
- ▶ Used Jenkins to setup automatic execution of automated tests after builds.
- ▶ Successfully integrated JIRA with ALM to allow defects entered into JIRA or ALM to be automatically populated into the other system.
- ▶ Testing using an automation framework written in Java/Selenium
- ▶ Developed a suite of performance tests using LoadRunner.
- ▶ Very effectively automated various non-deterministic testing scenarios where expected data was in JSON, XML or Excel formats.

MassMutual Financial

September 2012 – May 2015

- ▶ Architect Test automation framework using ASP.NET Webforms, SQL SERVER and ORACLE.
- ▶ Develop custom application for asymmetric data comparison between data extracted from different systems.
- ▶ Test Automation using QTP and Quality Center for Test Management
- ▶ Develop asp.net application with oracle backend for Test Data Generation and Data file layout verification.
- ▶ Created a utility with the ability to learn new patterns for results files analysis of test automation output.
- ▶ Wrote a .NET assembly for updating Quality Center using the OTA.
- ▶ Developed WPF utility in VB.NET to perform data file fixes including adding new columns to an existing file, updating existing data, deleting columns or rows as needed.
- ▶ Wrote scheduling and file processing utility in VB.NET for working with UNIX files in windows using Wincsp .net assembly for UNIX/.NET interop.

eQHealth Solutions, Inc.

October 2010 – August 2012

IT QA/QC Manager

- ▶ Developed Roadmap for QA Department including assessment, evaluation and selection of automation tool, design and build automation framework as described below using SQL Server as a backend.
- ▶ Architected a Test Automation Framework using C#.net/WaTin for asp.net application. And White/MSAccessibility Framework/ MS automation library for winforms applications.
- ▶ Completed WebUi Test Studio Courseware Developer Edition for automating applications written using Telerik controls.
- ▶ Evaluated Selenium Web Driver for automating web applications.
- ▶ Evaluated WebAii, the Telerik automation tool for use in automating a web application, written using the Telerik Controls.
- ▶ Conducted training on the use of the automation framework to internal users at the company.
- ▶ Demonstrated framework to Baton Rouge .NET Users group as an example of keyword driven automation and to talk about advantages of using such a framework.
- ▶ Created coding standards guidelines and unit testing guidelines for TDD
- ▶ Created processes for researching and managing bugs discovered in production
- ▶ Performed all management duties for a department of 7 employees.

Previous Professional Experience

Health Care First, Baton Rouge LA (formerly Lewis Computer Services)

June 2010 – July 2010

Software Test Automation Analyst

- ▶ Conducted various training classes in SQA Robot and Test Automation Frameworks based on work previously done at this company over a period of 5 years.

ADLAV LLC, Prairieville LA

July 2009 – Present

Owner/Operator

- ▶ Building/Home Renovation contractor. Including operation and programming of CNC machine and computer controlled laser cutter/engraver.
- ▶ Design, install and program home automation systems including lighting controls, security, audio, video, intercom, computer networks.

Lewis Computer Services, Baton Rouge LA

June 2004 – July 2009

Software Test Automation Analyst

- ▶ Architected a Test Automation Framework for use with all Lewis software used in the Home Health Care industry.
- ▶ Design and Code application for creating framework based tests using, C#, VB.net and SQL Server.
- ▶ Automation framework had ability to allow framework tests to be able to perform looping and branching operations as well as utilize complex expressions as test data.
- ▶ Wrote automation code using SQA Robot, Quicktest professional/UFT, Test Complete, Ranorex and Rational Functional Tester to run tests created using framework.
- ▶ Wrote DLLs using C++ to enhance the testability of application under test when there were shortcomings in the automation tool.

- ▶ Conducted various training classes in SQA Robot and Test Automation Frameworks.

UPS, Montgomery AL

March 2004 – June 2004

VBA Developer

- ▶ Automated the creation of various reports in Access and Excel by retrieving data from Oracle and DB2 using ODBC connection and OLE/COM Automation technologies

CR Bard Electrophysiology, Chelmsford MA

February 2003 – July 2003

QA Automation Engineer

- ▶ Designed and managed tests using Testdirector to meet the requirements of FDA 510-K certification for medical software.
- ▶ Wrote scripts to automate tests using winrunner.

Fidelity Investments, New Hampshire

June 2002 – December 2002

QA Automation Engineer

- ▶ Wrote scripts to automate tests using winrunner/Testdirector for client/Server and Web based applications for financial services.

Marketsoft, Lexington MA

June 2001 – June 2002

QA Automation Engineer

- ▶ Wrote scripts to automate tests for web based applications using Silktest for web based automated marketing system.

Edocs, Natick MA

January 2000 – March 2001

QA Automation Engineer

- ▶ Wrote scripts to automate tests using winrunner for Client/Server and web based applications for financial services.

New England Financial, Boston MA

March 1997 – June 2000

QA Automation Engineer

- ▶ Wrote scripts to automate tests using winrunner and Silktest for several Client/Server and main frame annuities applications. Wrote non-ui tests for data comparison in asymmetric files.

Automated Data Processing, Mont Laurel NJ

January 1997 – April 1997

QA Automation Engineer

- ▶ Wrote scripts to automate tests using Silktest for client/Server financial services applications.

Educational Testing Services, Princeton JN

May 1996 – January 1997

QA Automation Engineer

- ▶ Wrote scripts to automate tests using Silktest for Client/Server applications that administer standardized tests including SAT, GRE, NCLEX, NCARB etc.

Bowne, Piscataway NJ

December 1995 – April 1996

Access Developer

- ▶ Worked as a developer for document management system for financial services, developed using Microsoft Access.

Arthur Anderson, New York NY

September 1995 – November 1995

Access Developer

- ▶ Created customized reports using the Access report writer, Excel and VBA for Access and Excel .

Independent Consultant

July 1994 – August 1995

Training Courses

Tackling the challenges of Big Data. MIT 12/2015	Cybersecurity: Technology, Application and Policy MIT 12/2015
Data science. Columbia University 1/2016	Data Science. Johns Hopkins University Ongoing
Full Stack Web Application Developer. University of Pennsylvania 4/2019 to 9/2019	HTML5, CSS3, Javascript, React, Angular, JQuery, Responsive Design, Bootstrap, Node.js, Heroku, Git, Java, MySQL, MongoDB

Other accomplishments:

- ▶ Former New York State Emergency Medical Technician.
- ▶ Veteran of the United States Army.
- ▶ Received various awards in the military including a medal for saving the life of an American soldier, one for overall outstanding performance of my duties as a Medical Specialist and another for exemplary behavior and conduct while serving as a soldier with the 101st Airborne Infantry Division.