Hyders Shaffer

(+1) 925-302-9444 San Ramon, CA hyder.shaffer@gmail.com

AUTOMATION EXPERTISE

* Designed and built a process, from scratch, whereby, an Automation framework receives

ABOUT ME

Started career as a Developer

Expert in building Automation

Ability to build SRE from scratch

Works well with deadlines

Collaborative and efficient

Motivated by problem solving

AREAS OF EXPERTISE

Automation Engineer Architect

Site Reliability Engineering Project Management

Team Leadership

Java Python Developer

EDUCATION

MS Degree in

Computer Science

University of Illinois,

At Urbana Champaign

Year 2005

PROGRAMMING LANGUAGES

Java

Python

JavaScript

Gherkin

Bash

API FRAMEWORKS

SuperTest

Jest

RestAssured

Karate

Request

Postman

JMeter

UI FRAMEWORKS

Selenium

WebDriver

Cucumber

Protractor

Mocha

Chai

XPath

Appium

Notice of a completed nightly build through Jenkins, re-images the hard drive of a lab

test-machines. It then downloads and installs the nightly build on the Apache Tomcat

based Webserver. It then launches a build-verification test. Runs regression test on

schedule, then emails the results to a list of designated recipients and simultaneously

posts the results on confluence page. Presented framework that assured complete script

portability, across machines and sites, enabling automation scripts to run anywhere, on

any supported platform, with zero modification. This process was so well received,

everyone currently championing it. Designed and built interface and web-services test

automation frameworks in support of continuous integration in a test-driven development

(TDD) and behavior driven development (BDD) environments. Excited about the

opportunity to join a small, collaborative, and accomplished Automation and or SRE team

to contribute to the success and growth of the organization.

WHAT DO I BRING TO THE TABLE?

* Ability to build Automation from scratch: Wrote code for building API or functional UI tests,

all these are my passion. Expert in building test framework from scratch and running

through Jenkins. Seasoned veteran in SQA with Automation tools (expert/architect level)

along with quality work performer designing and building up test automation systems.

* Ability to build end to end SRE: Passionate and results-oriented Automation Architect with

wide experience in managing and improving the automation, scalability, and performance

of complex systems. Proven track record of implementing innovative solutions resulting in

improved system reliability, cost savings, and increased customer satisfaction.

* Started Career as Application Developer: Happen to be web application developer when

started career. Strong analytical and handling multiple concurrent priorities skills. Highly

adaptable and able to thrive in a fast-paced and client-facing role. Employee recognition

award from Hewlett-Packard. Designed, developed high-volume, low-latency applications

* Proven Leadership: I’ve built, mentored, and led cross-functional teams and high visibility

projects. Extensive experience in leadership of new-development and sustaining test

teams. Ability to work in fast paced environments. This leadership involved evaluating

workload, assigning tasks, meeting project milestones, and calculating time estimates.

Ability to collect and assess project matrices, perform trend, and root cause analysis,

develop impact and risk assessment documentation.

WORK EXPERIENCE

|  |  |
| --- | --- |
| Kaiser Permanente, Pleasanton, CA | 12/2017 till date (6 years) |
| https://healthy.kaiserpermanente.org | Principal IT Engineer |
| Healthcare company with 300k+ employees and $95+ billion annual avenue | |

* Spearheaded the development and execution of automation scripts using **Java**, **WebDriver**,

**Cucumber**, and **Allure Reports**, resulting in a robust Hybrid Test Framework. Proficiently

applied **BDD** methodologies, created Gherkin-based scripts. Conducted precise webservices

tests for **REST** Services utilizing **RestAssured** and **Karate**, ensuring rigorous validation

* Pioneered and established **Java** **UI** and **Python API** **Automation** teams. Collaborated with cross-functional teams to identify and resolve technical issues. Built Site Reliability Engineering **SRE** system using **Python**, **Postman**, **JMeter**, and **Dynatrace**. Implemented automated monitoring and alerting systems, reducing time to detect issues by 50%.
* Created documentation on build and release processes on **Confluence**. Generated matrix

for every single feature **PROD** release along with captured defects in **JIRA**.Collaborated

with dev teams in **Agile** scrum meeting to ensure the seamless integration of new features

CLOUD SERVICES

IBM Bluemix

Microsoft Azure

Amazon AWS

Google Kubernetes

WEB TECHNOLOGIES

NodeJS

HTML

Ansible

Docker

DATABASES

Oracle

MongoDB

PostgreSQL

MySQL

OTHER SKILLS

SRE

Dynatrace

Splunk

JIRA

Confluence

Jenkins

IBM TWS

Git

CERTIFICATIONS

Oracle Certified Professional Java EE7 Application Developer

AREAS OF EXPERTISE

Automation Engineer Architect

Site Reliability Engineering Project Management

Team Leadership

Java Python Developer

EDUCATION

MS Degree in

Computer Science

University of Illinois,

At Urbana Champaign

CAREER PATH

2014 – Automation Expert

2010 – Backend Developer

2005 – Shell Scripter

|  |  |
| --- | --- |
| Cray, Pleasanton, CA | 01/2014 – 12/2017 (4 years) |
| http://www.cray.com | Automation and SRE Architect |
| Supercomputer company with 1.2k+ employees and $455+ million annual avenue | |

* Built multiple automation systems to test **APIs**, and **web-services,** extensively used **Java**, **RestAssured**, **Postman**, and for another team, extensively used **Python** and **Flask** for user interface page. I built test system which use to auto generate reports and all those reports along with archive displayed in **Confluence** page for all **PROD** builds
* Built a utility, which identifies failure from **Confluence**-based reports, and automatically creates **JIRA** ticket for defects. Later someone use to differentiate manually actual defects and not actual defects. PDF file of report automatically sent out through email
* Built UI test automation system, using **JavaScript**, **Selenium** **Protractor**, **Mocha**, under **NodeJS** environment, which runs through **Jenkins** on daily basis, against every single version of **Git** code check-ins. Wrote smart routines for **XPath** to identify page objects

|  |  |
| --- | --- |
| Hewlett Packard, Fremont, CA | 01/2010 – 12/2013 (4 years) |
| https://www.hp.com | Java Developer |
| Computing company with 60k+ employees and $62+ billion annual avenue | |

* Actively involved in writing **JavaScript** front-end as well as **Java** based back-end routines, to build web-based application. Wrote classes which extract data from **Oracle** database, through **JDBC** and **SQL queries** and **Java/FTP** file operations. Designed and developed **REST** **APIs** with **micro-services** architecture for multiple web applications.
* Extensively used **AWS** services such as **Lambda**, and **Redshift**. Proactively involved in writing front end code using **HTML**, **JavaScript** and **jQuery**. Created **Jenkins** jobs and posted build performance reports on **Confluence** and captured defects went to **JIRA**
* Wrote well designed, testable, efficient code by using best software development practices. Gathered and refined specifications and requirements based on technical needs. Created website layout/user interface by using standard **HTML/CSS** practices.

|  |  |
| --- | --- |
| NASA, Mountain View, CA | 01/2005 – 12/2009 (5 years) |
| https://www.nasa.gov | Python Engineer (Internship) |
| Government agency with 18k+ employees | |

* Developed and maintained **Python** and **Shell scripts** and command-line tools using the **Bash scripting** language. Worked with system administrators and **DevOps** engineers to automate repetitive tasks and streamline workflows. Troubleshooted and debugged scripts.
* Collaborated with software developers to integrate **Python**/**Bash** scripts with applications and services. Documented code and providing support to end-users. Stayed up to date with the current trends and advancements in **Bash** scripting and related technologies.
* Contributed as **front-end** web developer beside **Shell** scripting work. Developed new user-facing features. Built reusable code and libraries for future use. Ensured the technical feasibility of **UI/UX designs**. Optimized application for maximum speed and scalability.
* While working as **front-end** developer, I assured that all user input is validated before submitting to **back-end**. Ensuring websites are accessible across many platforms. Routinely

tested websites for ease of use, speed, and other quality factors.