Hyders Shaffer

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AUTOMATION EXPERTISE

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

AREAS OF EXPERTISE

Automation Engineer Architect

Site Reliability Engineering Project Management

Team Leadership

Java Python Developer

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

EDUCATION

MS Degree in

Computer Science

University of Illinois,

At Urbana Champaign

PROGRAMMING LANGUAGES

Java

Python

JavaScript

HTML

Bash

API FRAMEWORKS

SuperTest

Jest

RestAssured

Request

UI FRAMEWORKS

Selenium

Protractor

Mocha

Chai

XPath

PyTest

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

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| 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 | |

* Executed an automated health check system for app web-services that reduced mean. Assisted in incident response and performed root cause analysis to prevent recurrence of critical issues, leading to a 40% reduction in system downtime.
* Built SRE team from scratch, in parallel to API automation team. Collaborated with cross-functional teams to identify and resolve technical issues. Presented findings and solutions to clients, ensuring a high level of customer satisfaction. Implemented automated monitoring and alerting systems, reducing time to detect issues by 50%.
* Collaborated with dev teams to ensure the seamless integration of new features and enhancements into the existing infrastructure. Deployed infrastructure changes/updates using infrastructure-as-code tools, resulting in a 30% reduction in deployment errors

CLOUD SERVICES

IBM Bluemix

Microsoft Azure

Amazon AWS

Google Kubernetes

DATABASES

Oracle

MongoDB

PostgreSQL

MySQL

OTHER SKILLS

SRE

Dynatrace

Splunk

JIRA

Confluence

Jenkins

NodeJS

Bash

Red Hat

IBM TWS

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

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At Urbana Champaign

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| 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 | |

* I was actively involved in testing application by writing code. Built few APIs, UI, & SRE test frameworks, which tests web-services, and functional UI. I built framework which use to generate reports and all those deports with archive displayed in confluence page
* 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
* Test automation systems, which runs through Jenkins on daily basis, against every single version of git code check-in. Later few more automation modules been built, based upon requirement, which came in through stakeholders, via given-when-then feature files and those feature files automated in the form of step-definitions.

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

* Actively involved in writing front-end as well as back-end routines, to build web-based

application. Wrote classes which extract data from database, SQL queries to access

data and write data into database. Wrote several shell scripts under Linux environment.

* Mainly worked as back-end web developer, created the website’s structure, wrote code,

and verified the code works. Managed access points for others who need to manage a

website’s content. Integrated data from various back-end services and databases

* 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.

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

* Developed and maintained 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 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.