Hyders Shaffer

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AUTOMATION EXPERTISE

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

- 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

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

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.

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.

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.

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
University of Illinois,
At Urbana Champaign