

# 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)
<a href="https://healthy.kaiserpermanente.org">https://healthy.kaiserpermanente.org</a>	Principal IT Engineer
Healthcare company with 300k+ employees and \$95+ billion annual revenue	

- 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

## 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

<a href="#">Cray, Pleasanton, CA</a>	<a href="#">01/2014 – 12/2017 (4 years)</a>
<a href="http://www.cray.com">http://www.cray.com</a>	<a href="#">Automation and SRE Architect</a>
<a href="#">Supercomputer company with 1.2k+ employees and \$455+ million annual revenue</a>	

- 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

<a href="#">Hewlett Packard, Fremont, CA</a>	<a href="#">01/2010 – 12/2013 (4 years)</a>
<a href="https://www.hp.com">https://www.hp.com</a>	<a href="#">Java Developer</a>
<a href="#">Computing company with 60k+ employees and \$62+ billion annual revenue</a>	

- 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.

<a href="#">NASA, Mountain View, CA</a>	<a href="#">01/2005 – 12/2009 (5 years)</a>
<a href="https://www.nasa.gov">https://www.nasa.gov</a>	<a href="#">Python Engineer (Internship)</a>
<a href="#">Government agency with 18k+ employees</a>	

- 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.

## 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