**ABHIJIT SIPANI**

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**Profile:** 8+ years of experience with software testing, 3 years of experience leading a global team as an automation and test process lead; leading automation projects from start to finish in a Software Lifecycle.

**Project Management:** Jira, Asana.

**Programming/Scripting**: Python, Shell, Selenium, ROBOT Framework, pytest, nose.

**Platforms**: Centos, Ubuntu, MacOS

**Networking Platforms**: Cisco iOS, Extreme XOS, Nokia SROS (7750,7210), OMNI 6900s.   
**Virtualization:** Kubernetes, VMware, KVM, oVirt, Docker, VirtualBox.   
**Data Serialization:** JSON, YAML.

**Test Tools**: TestRail, Xray, Jenkins, Wireshark, Spirent Test Center, iperf, git, Booked Scheduler.

**Public Cloud Technologies:** Google Cloud Provider (GCP), Terraform.

**DevOps:** Gitlab, Jenkins, Spinnaker, Jira, Bitbucket, Crucible, Confluence, Splunk.   
**Skills**: Agile Methodologies, Software Quality Assurance, Test Automation, Test Management, Requirements Analysis, Software Development Life Cycle (SDLC), Scrum Planning.

**Nokia Networks, Raleigh, North Carolina**

**Automation Lead, Public Cloud, IT June 2020 to present**

* Responsible for leading the development of the test and automation frameworks for all public cloud services, as applications migrate from on-prem datacenters to the public cloud.
  + Develop Infrastructure-as-Code (IaC) and related pipelines to support deployment of infrastructure resources in the public cloud. Use Terraform and CI/CD tools to integrate back to the cloud.
  + Develop and maintain automation framework for WebUI tests using Selenium and Pytest.

**Automation Project Lead, Cable October 2017 to June 2020**

* Scrum Master responsible for getting automation team to follow best agile practices. Interfaced with worldwide teams to collect requirements for automated scenarios and did design and test strategy reviews with the automation team.
* Responsible for data analysis of build/automation failures to identify risk areas using custom scripts and Splunk. This helped catch approximately 20% of potential customer issues before builds were released to customer engineering teams for testing, contributing significantly to product quality.
* Setup the entire framework for launching automated test cases/jobs in Jenkins/Pipeline with groovy code. This allowed agile/CFT teams to avoid duplicating code and re-use the same codebase for different test scenarios. This helped increase productivity and led to at least 85% of legacy code being obsoleted. Build times were also reduced from three to two hours by utilizing parallel stages in Pipeline, leading to a 30% decrease in overall build time.
* Installed open-source tools and with custom python scripts, tied them back to Jenkins for optimized use of hardware resources across multiple sites. Total of six shared testbeds were setup offshore and with the proper scheduling in place, these were able to replace twenty testbeds across the US, achieving a 70% savings in hardware utilization.
* Responsible for owning test and automation team processes for entire BU and developing tools to support the processes, that were used worldwide. Wrote macros in Confluence and JIRA enabled teams to present release critical data in a simple format. Managed milestones and test plans in TestRail and wrote scripts to interface with the API.
* Did bug analysis/triage using custom Jira queries (JQLs) during the release cycle to assign severity and on that basis, priority for teams to fix. Also did an RCA/Lessons learned after every release cycle to understand gaps in the automation team deliveries and designed plans to rectify them.

**Nokia Networks (formerly Alcatel-Lucent), Raleigh, North Carolina**Staff Automation Engineer, Cable Business Unit January 2015 to October 2017

* Responsible for automation of test cases in Python, using Spirent Test Center for traffic generation and Robot Framework for environment setup.
* Developed automation libraries for supporting sanity testing and test cases for Lawful Intercept and SNMP features. Migrated Legacy DPoE automation framework to work with the Gainspeed V-CCAP model.

**Hughes Network Systems, Germantown, Maryland**

Team Lead, Acceptance testing for Jupiter ER4.0 July 2012 to December 2014

* Led the entire System verification and acceptance testing campaign for the Jupiter ER4.0 release.
* Prepared acceptance test plans as per requirements submitted by the customer and integrated System verification tests with the same. Tested a wide variety of features for the full E2E scenario.
* Held demonstrations for the customer on-site premises and worked with them to identify enhancements for the next release.

**Education** Master of Science in Computer Science May 2012 North Carolina State University, Raleigh, NC.GPA:3.424/4.00.

Bachelor of Technology, Computer Science May 2010  
National Institute of Technology, Silchar, India.   
GPA: 7.8/10.00