

SIVAANAND M

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Personal Portfolio ~ sivaanand.me

Professional Preface

- ⇒ Overall 10 years of experience in: – **QA/QC testing cloud native Products, Functionality, UI/API, Regression, Accessibility, Performance, Black box & White Box Testing of SaaS/PaaS based Applications & Android Applications.**
- ⇒ Delivered Strategic Test Automation Solutions and Framework for **Web UI/API, desktop, CLI & Android applications Using Automation Tools like Selenium, UFT, CodedUI(C#) and shell scripting.**
- ⇒ Rich experience in **creating automation framework** with insightful knowledge of Analysis & Testing.
- ⇒ High Analytical and problem solving ability and sound knowledge in Python, C# and Java.
- ⇒ Extensively involved in **Test Planning, Test case Development and Automation scripting.**
- ⇒ Smart knowledge in **web application development and REST services Using DJANGO,**
- ⇒ Adept at carrying out various tests and inspection for various processes and checking the quality standards of final product delivered to the customer.
- ⇒ Deft in handling end-to-end projects from inception, requirement specs, planning, implementation, configuration management, documentation and closure with cross-cultural teams.
- ⇒ An effective communicator with relationship management skills with the ability to relate to people at any level of business and management.
- ⇒ Infosys Rated CRR 1+ rated employee for all the three cycles, **Beyond the duty award 2 times & Relentless Pursuit** award for with in 3 year in Cisco. Got Hacko's award for developing Spero game in Impiger hackathon, Score 9th place in **STWC 2016 in Asia level** and special appreciation from jury for non-functional report.

Employment Recital

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|----------------------------|---------------------------------|-----------------------------------|
| Since Jan 2017 | Cisco Systems | Senior Software Engineer |
| Sep 2014 – Dec 2016 | Impiger Technologies | Sr. Engineer Software Test |
| Nov 2010 – Aug 2014 | Infosys Limited, Chennai | Test Engineer |
| Jun 2009 – Aug 2010 | Zeya Technology Services | Junior Programmer |

Skill's

Functional:

- ⇒ Effectively work with the Onsite Personnel / Clients on to understand the functional and non-functional requirements for the engagement, Analyses the information learnt and prepares test requirement specifications for the team.
- ⇒ Receives setup instructions on infrastructure, data & software, Plans and completes set up, prepares test data as required and populates test data in order to ensure commencement of test execution
- ⇒ Writes complex functional/non-functional test cases, prepares RTM for the same, provides review feedback for test cases/scripts and RTM prepared by the team members, implements mitigation plans identified for risks in order to commence test execution for manual testing projects and test scripting for automation/performance testing projects

- ⇒ Reviews results of test cases executed by the test engineers, Participates in defect triages, participates in test execution of key modules in order to identify defects in the application
- ⇒ Plans for KT sessions, participate in KT sessions, conduct shadow support in order to complete.

Technical:

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| Operating Systems | <u>Windows</u> : XP,7,10, Server 2k12,2k16 <u>Linux</u> : Ubuntu, CentOS <u>Mac</u> : Sierra, High Sierra |
| Cloud Console | <u>Public</u> : AWS, GC, AzureRM. <u>Private</u> : VMware, Openstack. <u>Container</u> : Docker, Kubernetes |
| Database | SQLite, Postgres and MS SQL Server. |
| Languages | Python, C#, JAVA, Shell and SQL |
| Defect Management | TestRail, Bugzilla, Microsoft Test Manager (MTM), Test link and Jira |
| Test Tools & Frameworks | <u>IDE</u> : MS Visual Studio, Eclipse. <u>FW</u> : Microsoft Coded UI, UFT, Selenium, Android UI Automator, ADB Interface, Nunit, Junit, Pytest, cucumber & fitness. <u>SCM</u> : Git, Team Foundation Server, SCM with Tortoise HG <u>API</u> : REST. <u>Monitoring</u> : Kibana, DataDog. <u>Build</u> : ANT, Gradle <u>CI</u> : Jenkins <u>Code Coverage</u> : Jacoco, Coverage.py |
| Web App Development | <u>Web EW</u> : DJANGO <u>Design</u> : HTML <u>Client Scripting</u> : JavaScript & jQuery |
| PM Tools | Confluence, Asana, YouTrack, Excel |

Corporate Projects

| Product Name | Cisco Cloud Center | Company | Cisco Systems, Bangalore |
|--------------------------|---|---------|--------------------------|
| Used | SHELL, JSON, Jinja, Eclipse, Python, Postgres, Jacoco AWS, GC, AzureRM, VMware, Openstack, Docker, K8s | | |
| Project details | Cisco CloudCenter solution is a hybrid application-centric cloud management platform that securely provisions infrastructure resources in data center, private and public clouds so that you can quickly and easily model, deploy, and manage applications and data in any clouds provider. it enables end users to serve themselves without having to understand the nuances of the underlying automation mechanisms or cloud environments like AWS, Azure, Google Cloud, VMware, OpenStack, Cisco UCSD, Alibaba Cloud, IBM cloud and others | | |
| Roles & Responsibilities | <ul style="list-style-type: none"> ➤ Developed optimized common automation framework for UI/API using Python ➤ Mange message queue services between various cloud blade micro services ➤ Primary contact for managing PR farm jobs for dev pull requests. ➤ Managing centralized multi-cloud testbed for automation daily runs. ➤ Worked on Regression and Automation of PAAS based Web Application UI and APIs. ➤ Test Scripts development & Requirement mapping. ➤ Root Cause Analysis of Customer Defects. | | |

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| | ➤ Design test automation strategy for various releases, seeks review of test cases, ensure optimum test environment setup |
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| Product Name | Cloud Center – Cost Saver | Company | Cisco Systems, Bangalore |
|--------------------------|---|---------|--------------------------|
| Used | SHELL, Django, SQLite, amcharts, JavaScript, JQuery & HTML5. | | |
| Project details | Cisco Cloud Center – As a multi cloud orchestration product testing multiple scenario & deployment, Utilization of cloud resources used on multiple cloud become huge which results high billing on public clouds to control it and managing for our QA's single headedly developed cost saver web project where corresponding user can check their usage , idle running instance, usage restriction & suspend and terminate unused node periodically etc | | |
| Roles & Responsibilities | <ul style="list-style-type: none"> ➤ Front end Design ➤ Developed core engine to interact with cloud center and cloud provider. ➤ Deploying it for various cisco team and maintaining it. | | |

| Product Name | Kohler – Ecommerce | Company | Impiger Technologies |
|--------------------------|--|---------|----------------------|
| Used | Selenium web driver with Java combination Continues integration achieved with Gradle build. | | |
| Project details | Kohler implemented e-commerce application for worldwide, product listing will happen according to the region and Geo graphic location across each site with its own data ,product listing and multilingual support. | | |
| Roles & Responsibilities | <ul style="list-style-type: none"> ➤ Developed content-based test automation framework with multilingual verification support. ➤ Identification of Regression test cases to automate. ➤ Identifying Automation tool and feasibility for functionality. ➤ Worked on Automation estimation for each builds. ➤ Generating Weekly Status Reports and test summary Assigning Test scripts to the team. ➤ Consolidating team work and updating status to the Project Manager. ➤ Analysis on any Production or UAT issue and responding to user queries ➤ Doing the R&D on various automation tools and suggest the client to use open source tool to reduce the project cost | | |

| Product Name | Autodroid Remotely | Company | Impiger Technologies |
|-----------------|--|---------|----------------------|
| Used | Google UIAutomator library, ADB Interface, chartJS (JS based live charts), Java servlets, HTML5, Binary JS, Ajax controls and Shell scripts | | |
| Project details | <p>Using UIAutomator and android ADB interface as base, On top of it created the hybrid framework. Which support all android device and all apps above API 19, we can also see memory and CPU usage of AUT in live.</p> <p>We faced issue in using real device for testing and dev purpose (availability of all devices across location) hence we thought to add all device on cloud and engineers will access the device over Internet and Engineers can also run the automation scripts remotely</p> | | |
| | ➤ Developed Hybrid Automation Framework with performance and data | | |

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|-------------------------------------|--|----------------|-------------------------|
| Product Name | British Petroleum - CMS | Company | Infosys, Chennai |
| Used | Microsoft Coded UI, Microsoft Visual Studio Team System 2010 (TFS), MTM (Microsoft Test Manager). | | |
| Project details | The GDMP document management solution will provide a centralized document management system for entire BP segment. which will be used by the different SPUs and country to provision, extend and Implement the document management solution. | | |
| Roles & Responsibilities | <ul style="list-style-type: none"> ➤ Provide the POC to clients to kick of the test automation ➤ Developed Hybrid automation framework on Coded UI with C#. ➤ Generating Weekly Status Reports and test summary Assigning Test scripts to the team. ➤ Preparing Requirements Traceability matrix and maintain for all functionalities with associated Test cases ➤ Automated third party tools like Brava viewer etc. ➤ Tracking the test management activities in MTM tool ➤ Identification of Regression test cases to automate. ➤ Mentoring team members on automation tools and do self-study various tools. | | |
| Roles & Responsibilities | monitoring for android apps | | |

Other QA Support Tools Developed

⇒ **ADA Compliance Scanner.**

- Developed a html scanner with WCAG 2.1 compliance in top of AATT Checker & AChecker and give line by line comment to fix the design code.

⇒ **Multilingual Word Provider.**

- For Multilingual site or application dev team maintain a property file, for initial filling it will take some hard times, I have developed shell script which curl google translator api and find out corresponding multilingual words for an entry in property file

⇒ **Cross browser Snapshotter.**

- Developed simple tool on top of selenium driver which will launch listed URL in selected browser and report full page screen shot of each browser and report it in a single html page

⇒ **QA Deliverable check List portal.**

- Create a web application where Project Manager will create QA deliverables check list template for various release and region, team can upload corresponding artifacts and update link in portal so that it will report missing artifacts and give timely ratings.

⇒ **Inter Team Triage Tool**

- In Cisco there are separate team will handle test suites for various cloud provider, build triage tool which consume json report from each result and create neat insight report with all clouds

⇒ **Pull Request Farm Job Manager**

- Once developer run unit test, we have created a CLI tool where dev team will give pull request id and basic regression test and submit report for same, reviewer will get better confirmation to merge to active branch.

Academia

- ⇒ BCA (Bachelor of Computer Application) from V.L.B.J College of Arts and science, Coimbatore in 2009 with 74%.
- ⇒ XII T.A.R.C Hr., Sec, School, Coimbatore in 2006 with 73%.
- ⇒ X from V.S.S.M High School, Coimbatore in 2004 with 74%.

Personal Details

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| Father's Name | Mr. Murugesan |
| Mother's Name | Mrs. Vijayalakshmi |
| Date of Birth | 15 th April 1989 |
| Gender | Male |
| Material Status | Married |
| Nationality | Indian |
| Languages known | English, Tamil |
| Passport | --Available on request-- |
| Present Address | Flat: 218 SSVR Laurel, Sy no. 15, 5, Balagere Rd, Devasthanagalu, Varthur, Bengaluru, Karnataka 560087 |
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Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Faithfully
Sivaanand M
Bengaluru, India