

## Summary

I hold Bachelors in CS and MS (Data science) with 10 years of industry experience which brings in a unique set of skills - Solution expert, Automation architect, customer champion and quality expert. I am a cross stack SME - VCF ,NSX, Full vRealize suite of products. I am a strong developer in python, java, Angular, which I have used in developing various solutions.

In these 10+ years with VMware I had brought significant impact to improve product quality and accelerate customer adoption. I had envisioned our customer needs and has significant contributions **(design, development, execution)** in various initiatives – Enable E2E Day 2 Resiliency services, accelerating adoption for our strategic customers via unified framework, VCF left shifting – Enable xBU to test backward Compatibility via SSP project, Left shift the build recommendations - UPM pipeline integrations.

### Technical

- knowledge of the product and SDDC stack is excellent.
- Good exposure on product stack , VCF, esx, VC, nsx etc , ability to debug issues in both product and automation side

### Developer

- Deep knowledge of Python, GOAT framework, and automation
- contributed to a significant portion of that automation
- good developer
- Exhibited great agility in implementing the client\_proxy microservice

### Interpersonal

- Good analytical mind and problem-solving skills for a developer
- Hard work and Commitment to work
- Methodical approach to work
- Excellent attitude
- I am also able to quickly ramp up
- Ability of prioritizing his tasks
- Agility to adapt to any domain
- I invests time and effort to develop expertise in the area of his work

## External Impact

- Radio Expo 2022 submission on Unified framework

## Product Leadership

- I lead architects to design and implement the resiliency services for SDDC stack. **Today we have 700+ SDDC operations which are subjected to 100+ faults dynamically across VCF and vSphere.** This is a unique E2E solution developed to mimic a real customer Day2 stack and find issues in house. We have 100+ issues and multiple feature requests reported. This is a sign off criteria for all releases and would ensure a resilient platform.
- **I am a co architect in developing the “Unified framework”** which is scalable to integrate, execute any xBU framework and use cases. I had also **developed a large service (client proxy microservices)** which invokes all the E2E use cases. I had **integrated the E2E xBU NSX use cases.** The manual execution was across 9 product teams which is streamlined into a unified framework removing their dependency for execution. Today the unified framework is fully functional on scale lab for JPMC use cases across all products (VCF, NSX, vRealize suite of products). **The unified framework brings in 50% execution efficiency.**
  - **Awarded** as “Customer First Award” for developing a unified framework.
- Versatile engineer working across initiatives. VCF SSP projects solve the business problem where XBU teams are not able to test backward compatibility with VCF due to lack of knowledge and complexity of deployment. **I am part of the design team and also implemented the complete backend code including the upgrade use cases.**
- In UPM 1.0 and UPM 2.0 **all Interop tests are coded, stabilized, and enabled in UPM pipelines.**
- Increased adoption of our products Delivered as a QE lead for large features like Edge support, L3 Support for the VCF customers with quality. I had automated all the test cases.

## Technical Leadership

- I Had written most of the libraries in the goat framework to support the products – NSX-V, NSXT, VC, ESX, vRealize products. I am among 6 people who would gatekeeper today any library changes in the goat framework.
  - **Highest contributor in goat framework Contribution .**
- Proactive in code reviews. **Example - 200+ Code reviewed across teams for goat framework.**
- Ability to design, architect and code frameworks. I had delivered multiple frameworks.

- E2E Resiliency Services for SDDC Stack
- Unified framework for Solutions lab customer use case execution
- SSP project for VCF backward compatibility testing

## **Inventiveness**

- Design and developed VROPS adapter (management pack) in a team of 2 engineers. The metrics were also designed. This would be used to enable VCF health in VROPS. Later this feature itself was developed into VCF SOS by the VCF team. one of the customers asks.
- Developed a scalable framework for testing Resiliency of cloud platform
- Radio Expo 2022 submission on Unified framework.

## **Mentoring**

- I am the test lead for Resiliency E2E services. I am mentoring a team of 3 engineers for the execution support, debugging the environments and filing bugs. I had also mentored them in writing automation and providing feedback.
- Mentoring team in development - 200+ code reviews.
- I was the test lead for VCF FVT features and has mentored junior engineers on execution. This was a team of 5 members where I guided the team on automation development, providing guidance on the feature details and execution.

## **Design & Architecture**

- Resiliency (4k lines coded) – Lead, design and developed the complete Resiliency code from scratch. This has been a new initiative in the E2E services to make the product more resilient. Coded 100+ faults and VCF operations coded.
- Unified Framework Project – (1k lines coded) - I was co-architect in overall design. I developed and implemented the main large service (client proxy microservices) which invokes the E2E xBU use cases. I had also integrated the xBU use cases for NSX execution.
- SSP (4.5k+ lines of code.) – Design and develop the complete backend code of self-service portal automation which runs day 0 VCF operation, patching and Day N operation to qualify a build.