



## SUMMARY

Experienced Technology Consultant with 6.5 years of IT expertise in cloud (Amazon Web Services) and Quality Assurance. Skilled in creation and managing the cloud resource, end-to-end testing of applications, regression testing, and automated infrastructure DevOps pipeline testing/ cloud testing. Proficient in creating and maintaining automation scripts and frameworks using UFT. Experienced in both Waterfall and Agile environments (CICD/DevOps process).

## PROFESSIONAL EXPERIENCE

### TECHNOLOGY CONSULTANT

September 2022



- Performed risk-based IT audits of core IT functions and applications, ensuring compliance with regulatory requirements; defined and managed action plans that remediated 90% of findings within 6 months
- Co-ordinated audits on application controls for AWS, Google Cloud; assessed and resolved high-risk vulnerabilities across the cloud platforms, reducing the risk of data breaches by 60%
- Tested the cloud infrastructure as per compliance requirement

### CLOUD/QA ENGINEER

October 2021 - September 2022



- Cloud Virtual Server - Performed VM creation, Deletion, Validation of Patch installation, AMI Creation, deletion & copy between multiple regions, EBS Volume encryptions using KMS keys, CIS report generation validation in VM.
- Virtual Private Network - Contributed to the creation of the Virtual Private Cloud (VPC) and its associated components, including subnets, route tables, security groups, Network Access Control Lists (NACLs), Internet Gateway (IGW), and Dynamic Host Configuration Protocol (DHCP).
- IaaS - Proficient in utilizing Terraform to automate cloud infrastructure provisioning and deployment, streamlining operations and ensuring scalability and reliability. Additionally, conducted thorough unit testing on the Terraform codebase to ensure its accuracy and reliability.
- Configuration Management - Having good knowledge on configuration management tool like Ansible and also having the hands-on experience on creation of inventory file, playbooks to efficiently manage and automate infrastructure deployments.
- Cloud Resource testing - Coordinated comprehensive API testing for AWS cloud using Postman; spotted and rectified bugs, resulting in 55% reduction in customer support queries. Identified and resolved 30+ issues to ensure seamless network operations.
- Test Management - Developed and executed a comprehensive test plan, ensuring 100% test coverage across 200+ test cases; detected and remedied 15 crucial flaws prior to the launch.

### CLOUD/QA ENGINEER

January 2020 - October 2021



- Cloud Resource Creation – Configuring S3 buckets, EC2, IAM users/roles, RDS instances.
- Completed POC on Web Services components – VPC, Subnets, Route tables and Network ACLs, NAT & implementation of Load Balancer as per requirement.
- IAM Services – Users, Groups, Policies and Roles, access keys according to the requirement.
- IaaS - Conducted a Proof of Concept (POC) on cloud automation using Terraform, demonstrating its capabilities to streamline infrastructure provisioning.
- Functional Testing – Performed functional & end to end testing in cloud-based application.

### QA ENGINEER

October 2016 - January 2020



- Automation Testing – Developed and executed automated test scripts using descriptive programming and maintained shared object repository in UFT.
- Regression Testing – Performed regression testing, ensuring the stability and reliability of software systems and reporting any regression defects. Optimized and streamlined UFT scripts for regression testing, reducing test time by 40% and ensuring 100% test coverage.
- Test Methodology – Involved in analysing requirements analysis, writing test cases, test execution, reporting and tracking defects in Quality Center (ALM).
- RTM – Created a comprehensive Requirement Traceability Matrix to manage and organize test cases across teams; reduced time spent on test case preparation by 30% and increased test execution efficiency by 25%.
- Cloud Resource Creation – Spin up the EC2 Instances, setup the security group, Created Snapshot and made AMI out of it for future use.

## TECHNICAL SKILL

Public Cloud IaaS  
Load Balancing Ansible  
Amazon EC2 AWS IAM  
IaaS Cloud Testing  
Functional Testing  
AWS Testing Terraform

## TEST MANAGEMENT TOOLS

Azure DevOps  
HP ALM  
Rally

## BADGE & CERTIFICATION



## AWARDS

Star Team – Sep 2017  
On The Spot – May 2018

## PERSONAL INTEREST

Photography  
Trekking  
Cooking

## EDUCATION

B. Tech – 2016  
WBUT, Kolkata