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| --- | --- | --- | --- |
| **Key Skills** |  | | **Professional Summary ……………………………………………** |
| **Area of Expertise**   * Software Quality & Test Management * Automation & DevOps * People Management * Leadership   **Technologies**   * SOAP/REST web services, XML, WSDL, ESB, SOA * Docker, K8s, Terraform, Jenkins, VMWare, Docker, AWS CloudFormation, VMware. ESXi Zephyr, Git * RabbitMQ, Puppet, Chef, Salt, MongoDB, S3, Dynamo DB, DSL, Lambda functions   **Domains**   * SIEM, Security & Analytics * IDP/ IDS, Cloud & Orchestration * Virtualization, Fault Tolerance and High Availability * Telecom/GSM Networks/ IOT * OSS/BSS/NMS, Provisioning & Order fulfilment * Location based services * VoIP and Call Processing * Location Management * Messaging & VAS Services   **Educational/Professional Certifications**   * ITILv3 (2011 update) Foundation Certification by APMG International * CSTM (Certified Software Test Manager) from STQC, in 2008. * Diploma in Electronics Engineering from UPBTE (1997-2000) |  | * Over 20 years of experience in Software QA/SDET lead with focus on Manual & Automation testing of API/Backend, UI, Databases, Networking, Security, SIEM, Cloud, SaaS, Financial products. * Experience in QA Project Management, SDLC, Waterfall and Agile, and experience handling BPM, Project Kick Off, Sprint Planning meeting, Scrum, Backlog grooming, Sprint Review and Retrospectives * Experience in DevOps, installation, configuration and integration of automated test frameworks with CI/CD (Jenkins) * Experience in Black, Grey box testing of GUI, CLI, User Interfaces, API, XML, SOAP, RESTful, HTTP, WSDL, WebServices, SOA using tools like Postman, SOAP UI, ReadyAPI, in-house Python test frameworks in PyTest/noseTest, mocha, nodeJS, webdriver and selenium. * Versatile background in different technology domains like Security Analytics, SIEM, Log Monitoring, Orchestration, Threat Detection, OSS/BSS/NMS, Order Fulfillment, Provisioning, Media, Web solutions, Cloud, Telecommunication, SMS/Text, IoT, M2M, VoIP, Mobile App, Successfully developed and implemented stubs, automation frameworks, test tools using open source applications or in-house software for functional, integration, risk-based testing, regressions tests, system health and sanity verifications * Location Based Services like Asset Tracking, Advertisement etc. * Experience in SRE/Tier-3 Production support roles for complex systems consisting of 100s of scaled applications and nodes. * Experience with embedded, Hardware/Appliances testing, Fault Tolerance, High Availability, Virtualizations, SQL and NoSQL Databases, BPM, Clouds such as AWS, EC2, Salesforce technologies.   **Skills and Domain Summary**  **……………………………………………**   *  **Technologies**: SOAP, RESTful, XML, JavaScript, SoapUI, WebLogic, JBoss, Tomcat, Apache, NGINX, BPM Teamworks, ESBs, SOA, WSDLs, NodeJS, Virtualization, RabbitMQ, JMS, TIBCO, ActiveMQ, *  **Environments**: C, Unix/Linux, Shell, Bash, expect, gdb, Oracle, mongo DB, MySQL, PL-SQL, Python, Bash, JSON, JavaScript, NodeJS, Chef, Puppet, SauceLabs, Docker, K8s, CI/CD, Jenkins *  **Test Tools**: JIRA, Bugzilla, Mantis, Git, Zephyr, QC, Selenium, Cypress, webdriver, QTP, Test Director, TestNG, JMeter, Junit, TestRail, Mingle, SOAP UI, POSTMAN, Robo 3T, Toad, WireMock, Ansible, Git, syslog, Graphana, SonarCube, ELK, LogStash *  **Platforms**: Kafka, Elastic, Logstash, Informatica, Splunk, Salesforce, AppDynamics, EM7, Splunk, and SpagoBI, RADIUS *  **Hardware**/**Software**: Various flavors of Linux, Unix, Mac, F5 Load balancer, Oracle VirtualBox, ESXi, Vxworks, VmWare, Docker *  **Protocols**: TCP/UDP, L2/L3, SS7/CCS7, 3GPP, SNMP, SIP, RADIUS, FCAPS, CORBA, JSON, DNS, HTTP/HTTPS, SMTP, REST, SNMP | |

[RSA SecurityRSA Security LLC](https://www.rsa.com/)**: Principal Engineer QA - Sep 2016 - Present**

* Established the delivery model using the automation, Jenkins to reduce the qualification from 8 hr. to 2hr
* Transformed hardening cycle process – reduced from 6 weeks to 2 weeks by driving automation across the product using Terraform and in-house automation framework and data configuration tool
* Spearheaded the DevOps automation to orchestrate 200+ virtual machines - AWS EC2 instances, VMWare vCloud to qualify RSA Netwitness product
* Experienced in planning the software qualification of large-scale, large-volume, highly distributed system in Virtual hosts using docker containers.
* Leveraged Agile / DevOps in orchestrating and automating the build and deployment process.
* Hands-on API, Backend, Usability, Stability, Compatibility testing using inhouse test framework developed using python and open source libraries, CI/CD, nighty sprint build testing etc.
* Working extensively on web service, SOAP/REST APIs, Micro service testing, UI, Backend test automation using python test frameworks, curl, bash, SoapUI, PostMan, JMeter, Selenium, NodeJS and shell scripts
* Working closely with CS teams, Program and product management, SREs to supported major product deliveries such as 3rd party integration, SaaS integration, AWS support etc.

[](https://hsc.com/)

[Hughes Systique](https://hsc.com/): **Engineer Consultant- Feb 2010 – Sep 2016**

* Handled Software Testing, Pre-Sales, Solution Architecture, and Production support roles.
* Planning, execution & monitoring of Software Testing and Production Support activities for multiple projects to ensure the bug free delivery and post-delivery support
* Handled variety of testing areas such as component integration, API, system, stress and performance, user acceptance, product and user experience testing.
* Production system architecture and support to satellite based broadband Services to end customers.
* Utilized open source/system utilities such as curl/python/selenium for automation testing and system health monitoring for web-based applications and services.
* Client interactions for knowledge transfer, reporting, customer success and escalation management.

[Merchant Logo](https://www.vnl.in/)

[Vihaan Networks Ltd](https://www.vnl.in/): **Technical Leader - Sep 2008 – Oct 2009**

* Planning, Development, piloting and institutionalization of test and release processes of MSC, BSC & OMC
* Interaction and Planning with prospective customers for IOT and product piloting
* Responsibilities extended to pre-delivery field trial, deployment, integration and interoperability testing.
* Handled TEC approval activities and user experience testing.



[Comviva](SanjuKumar.docx)**: Sr Technical Leader - May 2005 – Aug 2008**

* Comprehensive test team management and delivered high value to the products suites.
* Handled system and product testing of VAS, BSS & mLifestyle products suites.
* Test Lab Setup, Planning, Test Designing, Test Executions, Interaction with 3rd party Vendors and customers, Leading and motivating the testing & deployment teams.

[](https://www.cdot.in/cdotweb/web/home.php)

[CDOT](https://www.cdot.in/): **Research Associate - Nov 2000 – May 2005**

* Worked as Telecom Tester and performed system testing towards core GSM nodes such as MSC, VLR, HLR, SMSC, AuC, ESME, IN and EIR etc.
* Test plan based on SRS & DD, Test bed preparation, execution and bug reporting.
* Release/build management, User acceptance testing and TEC approval cycles.