

Sanjeev Rohila

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SUMMARY

With over 16 years of IT experience and multiple certifications, I am a Principal Software Engineer at Perforce(Delphix), a leading provider of data management solutions for cloud native and Kubernetes-based applications. I am passionate about building high-quality, scalable, and resilient solutions that enable customers to accelerate their digital transformation and innovation.

EXPERIENCE

*Perforce Software, **Principal Software Engineer***

Oct 2020 - Present

- Designed and implemented robust security vulnerability management systems using Tenable and Qualys. Integrated results with Jira to streamline tracking and remediation processes, achieving zero-touch security scans and triaging of issues. This initiative led to a 90% efficiency improvement in vulnerability management.
 - Developed authentication automation solutions with Hashicorp Vault, CyberArk, and Azure Password Vault, ensuring secure credential management.
 - Optimised platform reliability by troubleshooting and enhancing Ubuntu-based builds.
- Strengthened security compliance by identifying and resolving CIS misconfigurations.
- Led test automation development using Python, enhancing framework scalability and efficiency.
- Managed Jenkins-based test pipelines, enforcing code quality standards with Black & Flake8.
- Dealing with a variety of tools including Okta, TShark, Postman, Docker, and Groovy scripting. Enhanced and developed Jenkins pipelines within QA infrastructure, including upgrade testing, to improve workflow efficiency and reliability.

*F5 Networks, **Senior Software Engineer***

Aug 2018 - Oct 2020

- Led quality automation for NGINX Controller, ensuring high availability, scalability, and resilience in cloud-native environments.
- Automated longevity and performance testing for NGINX Service Mesh, improving deployment stability and scalability.
 - Developed a Python/Pytest-based automation framework, integrated into GitLab CI/CD pipelines for continuous validation.
 - Designed and implemented a GitLab-based longevity testing pipeline, optimising extended test execution.

*VMWare, **Quality Engineering Developer***

Nov 2016 - Aug 2018

- Automated auto-sanity submission for NSX and OpenStack combinations in the test infrastructure via Jenkins, improving test coverage by 25% by programmatically detecting and submitting the latest untested builds.
- Developed dashboards for tracking submitted build metrics and generating insightful test result reports, enhancing visibility and decision-making.
- Implemented system test automation for failover scenarios, ensuring network service continuity across NSX edges, including load balancing tests.

*American Express, **Senior Engineer (Band 35)***

Aug 2015 - Oct 2016

- Automated provisioning of Cisco switches and F5 load balancing scenarios, enhancing deployment efficiency.
- Developed tools for validation and verification of existing configurations over Cisco switches, reducing configuration errors.
- Created infrastructure management tools, improving monitoring and management capabilities with Ansible and Puppet.

*Alcatel-Lucent(Nokia), **Technical Lead***

Jul 2014 - Aug 2015

- Designed and developed a QA automation framework for the Alcatel Sure Pay platform, improving testing efficiency, reliability, and scalability.
- Utilised Python, Pytest and Jenkins to automate testing processes, enhancing framework scalability and efficiency.

*Dell, **Software Development Engineer 2***

May 2011 - Jul 2014

- Developed multiple resource adapters for ASM device interaction, including Dell EqualLogic, Compellent Storage devices, Dell Power Connect, and Force 10 switches, ensuring end-to-end execution and validation within orchestration.
- Automated Flexpod integration with Gale-Force, customizing NetApp storage, Cisco UCS, and Nexus 5K resource adapters in TCL, enhancing infrastructure automation capabilities.
- As team member worked on a Puppet engine-based solution for Dell's Active System Manager, integrating backend devices like Dell Compellent and EqualLogic storage and Brocade 6500 switch.

Dell, Associate Technology Consultant

Sep 2010 - May 2011

- Built technical configurations for EMC products, optimizing customer infrastructure with VMAX, VPLEX, DMX, VNX, Clariion, and Celerra, enhancing performance and cost-efficiency.
- Utilized tools such as Avamar, Brocade and Cisco Switches, Rainfinity, Recover Point, Power Path, and EMC Control Centre to ensure seamless integration and business continuity.
- Delivered high-end storage solutions, improving system reliability and scalability, contributing to a increased customer satisfaction.

Logica, IT Consultant

Sep 2008 - Aug 2010

- Implemented automated scripts to verify zone and zoneconfig configuration on Brocade 4424 FC Switches, enhancing system reliability.
- Administered Net Backup for infra devices, managing backup progress, media processes, and service restarts, improving data protection.
- Deployed infrastructure over VMware with desired configurations, supporting teams and optimizing resource allocation.
- Worked on managing the Storage Area Network for clients like The Law Society, London & British Council and managing and fulfilling their data recovery within the expected SLA.

Appect Learning Systems Pvt. Ltd., Web Developer

Sep 2007 - Feb 2008

- Worked on the development of online education system www.marination.com using PHP and Java Script, HTML and MYSQL database.

EDUCATION

Dr. APJ Abdul Kalam Technical University

MCA • 2004 - 2007

LICENSES & CERTIFICATIONS

CKAD, Certified Application Kubernetes Developer

The Linux Foundation • 86d99e63-b779-4808-8a04-e33ccc586d33 • Issued May 2021 - Expires May 2024

SKILLS

Python • Pytest • QA Automation • Tenable Qualys • Hashi Corp Vault • Dockers • Jenkins • Kubernetes • Postman • Linux

HONORS & AWARDS

Spot Award

Perforce Delphix • 2022

Received a spot award for successfully delivering a critical feature requested by a customer. Achieved 100% coverage of automation testing and delivered the feature along with comprehensive testing, ensuring high quality and customer satisfaction.

Spot Award

VMware • Jan 2018

Received a spot award of \$200 for automating the QA infrastructure with a Flask-based application. Developed to manage the automated submission of builds and monitor QA builds through a customized dashboard, significantly improving efficiency and oversight. This entire automation was integrated with Jenkins QA pipeline.