



# Rajan Sharma

Strengthening business opportunity through strategic planning, creating technical roadmap and providing direction on technology architecture; targeting leadership role in **Infrastructure Architecture, Site Reliability Engineering and Deployment, DevOps Engineering and Team Management** with an organization of high repute

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## PROFILE SUMMARY

- Red Hat Certified professional with nearly 11 years of rich experience in **Infrastructure Management, Cloud Architecture and Security and implementing DevOps Best Practices** with expertise in IaaS & PaaS
- Technocrat with **specialization in end-to-end IT Infrastructure, Transition, Technology Management and Digital Transformation**; led the business operations through senior level planning; analysed delivery issues in a timely fashion with focus on mitigating overall business risks
- Comprehensive experience in architecting the company's **development infrastructure utilizing cloud computing** and expertise in analyzing existing cloud structures and **creating new and enhanced security methods**
- Designed, implemented and maintained deployment automation from code check-in to production; supported implementation activities in all features in Continuous Integration Platform and managed all operational activities related to DevOps Systems using **Terraform, Jenkins & Ansible**; with hands-on experience in **IBM Cloud and AWS, DevOps, Linux, Docker, Kubernetes & CI/CD**
- Expertise in **differentiated functions of Site Reliability Engineering** including Availability, Latency, Performance, Efficiency, Change Management, Monitoring, Emergency Response, And Capacity Planning
- Forward- looking professional with rich experience in **performing threat simulations** to detect possible risks, and providing security recommendations on microservice design or application development
- Technical expertise** include IBM Cloud, OpenShift, Ansible, Terraform, OpenStack, RHEL, RHEV, VMWare, IaaS, PaaS, IBM Cloud Pak for Data, IBM Cloud Pak for Multi Cloud Management, Docker, Kubernetes, Red Hat Advanced Cluster Management, Sysdig, Qradar, Nessus, DataDog, AMQ Kafka, LogDNA, EFK, ChatOps, Jenkins and Gitlab
- Rich experience in analysing risks, ensuring compliance to IT standards & **designing secure solutions** that support organizational objectives; competent in analyzing ecosystems to **identify risks** pertaining to IT operations, **business continuity readiness & process flaws**

## CORE COMPETENCIES

Strategic IT Planning & Leadership

IT Infrastructure Management

DevOps Implementation & Support

Release/ Change Management

Disaster Recovery/ Business Continuity/ Crisis Management

Cloud Security Solutions

Site Reliability Engineering

Training & Knowledge Sharing Sessions

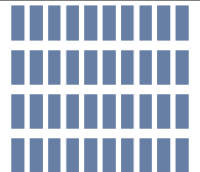
## SOFT SKILLS

Analytical

Motivational Leader

Change Agent

Communicator



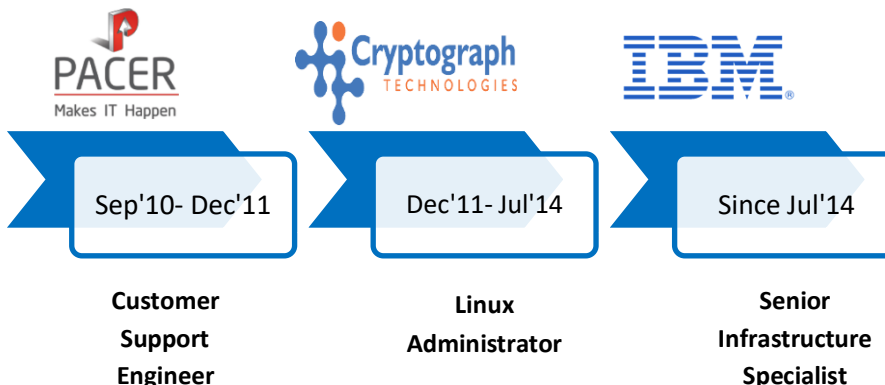
## EDUCATION

- B.Tech. (Computer Science and Engineering) from University of Nagpur, Maharashtra in 2009

## CERTIFICATIONS

- [Red Hat Certified Specialist in Ansible Automation](#) (Certificate ID= 190-243- 345)
- [Red Hat Certified Specialist in OpenShift Administration](#) (Certificate ID= 190-243-345)
- RED Hat Certified Engineer (RHCE) (Certificate ID = 805010350950751)

## CAREER TIMELINE



**Since Jul'14 with IBM India Pvt. Ltd., Bengaluru****Senior Infrastructure Specialist/DevOps Engineer****Key Result Areas:**

- Leading a team of 10 members for concurrent projects regarding numerous system security, and audit-based deliverables and helping the team in ensuring controls are in place and functioning
- Designing, developing & implementing complex solution on ROKS on IBM Cloud and producing various artifacts
- Working on several projects using container-based technologies like Docker, Kubernetes and OpenShift
- Creating new Projects & Services for load balancing and adding them to Routes to be accessible from outside using OpenShift
- Performing troubleshooting on pods through SSH and logs, modification of Build Configs, templates, Image streams
- Developing & integrating Ansible playbooks for automatic deployment and configuration of RHEL servers for test and prod environment
- Setting- up platform & middleware through automations and designing procedures to automate various systems and tasks (e.g., automating code builds and deployments) using Jenkins, Git, Docker, Ansible, Cloud formation
- Supervising the team in the development of:
  - Terraform script for ROKS instance provision.
  - Shell script for Istio deployment.
  - Shell script for Kafka deployment
  - Ansible automation for Cloud pak for Data and MCM
- Integrating Service Management through SOC, Slack and automating repetitive tasks using Terraform, Docker container, Service Orchestration
- Undertaking the responsibility of Continuous Integration and Continuous Delivery process implementation using Jenkins along with Jenkins file and Shell scripts to automate routine jobs
- Deploying application using Jenkins server and troubleshooting, building and releasing job failures, resolving and working with engineers on resolution
- Analysing the needs and integrating Defect tracking tool JIRA with Confluence and Jenkins CI server for identifying, logging and, tracking and documenting defects/issues in real-time
- Working on variety of Unix platforms RHEL 5.x/6.x/7, which includes installation, configuring and maintenance of applications for prod/stage/dev environments
- Provisioning load balancer, auto-scaling group and launch configuration for micro services using Ansible
- DATA Center Inbound and outbound services and working on Ansible automation tool
- Automating configuration management and deployments using Ansible playbooks and Yaml for resource declaration
- Monitoring solutions with Elasticsearch and Logstash, Develop Visualizations and Dashboards in Kibana that give rich analytics to data of interest
- Deploying OpenStack on RHEL, Deploying the OpenStack components on multimode with High availability environment and integrating OpenStack (Train) with OpenStack to create software-Defined-Networking tenant and service provider network and routers
- Gaining experience in different components of OpenStack like Nova, Horizon, Neutron/Quantum, Cinder, Swift, Heat, Ceilometer, Sahara, Murano. OpenStack Plugins: KVM, OVS, VMWare ESXi, Zabbix, Neutron plugins (LBaaS, FWaaS, VPNaaS)

**Projects Undertaken:****Since Sep'20: IaaS Cloud Automation, Bengaluru, India**

*Collaborate with Security and Engineering teams to incorporate security controls, apply security best practices in IBM IaaS cloud development life cycle, and mitigate security vulnerabilities.*

**Apr'19- Aug'20: Red hat OpenShift (DevSecOps), Bengaluru, India**

*This was a flagship program as part of which 500+ OpenShift clusters were created in multi-cloud environment through end-to-end automation to provide demonstrations of micro services-based applications, Cloud Paks and OpenShift. Besides contributing to the end-to-end automation, I also independently created automation for Kafka, DataDog, Sysdig, and Cloud Pak for Data using Terraform, Ansible, Shell Script, Jenkins, etc.*

**Jun'16- Mar'19: UBS Bank, Zurich, Switzerland**

*Integration Manager and Deputy of Software Component Manager in charge of ensuring Software Components (SWC) changes are designed, assessed and coordinated within the entire SDLC process and complied to policies, standards and guidelines.*

**Jul'14- May'16: DST, Bengaluru, India**

*Responsibility to install, configure and maintain applications with IT infrastructure. Analyze problems, evaluate technical issues, test, maintain, modify, integrate, monitor and ensure to automate software systems.*



## PREVIOUS EXPERIENCE

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Dec'11- Jul'14 with Cryptograph Technologies (P) Ltd., Bengaluru, India

Linux Administrator

Sep'10- Dec'11 with Pacer Automation Pvt. Ltd., Bengaluru, India

Customer Support Engineer



## TECHNICAL SKILLS

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- Ansible
- Kubernetes
- Docker
- OpenShift
- RHEL
- CI/CD
- Jenkins
- GitHub
- IaaS
- PaaS
- Shell Script
- Automation
- Cloud (IBM Cloud and AWS)
- Vmware
- Openstack