

# RAJESH KUMAR SHUKLA

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## Carrier Summary

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- ❖ **Sr. DevOps and Cloud Automation Engineer** with **5+ years of experience** in managing and automating Cloud Infrastructure and related IT services.
- ❖ Experience in containerization of applications with docker technology.
- ❖ Strong knowledge of IaaS like terraform and CloudFormation.
- ❖ Working experience with various automation and CI/CD tools like Jenkins, terraform, ansible, helm, Kubernetes, Grafana, Prometheus, ELK/EFK stack, etc.
- ❖ Strong knowledge of handling issues related to applications running on Linux servers.
- ❖ Experience to migrate various applications from datacenter to AWS cloud.
- ❖ Present working as a **Sr. DevOps and Cloud Automation Engineer** in **3Cllogic Technology PVT LTD, Noida**.
- ❖ Previously worked as a **Cloud Automation Engineer** in **PROGRESSIVE INFOTECH PVT LDT, Noida**.
- ❖ I have completed my Professional Course **MCA** from IET Dr. R.M.L. Avadh University, Faizabad.
- ❖ I did my Professional Course **BCA** from Jhunjhunwala P.G. College, Faizabad.

## Carrier Goal

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To work for an organization which provides me the opportunity to improve my skills and knowledge to growth along with the organization objective.

## Educational Qualifications

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- ❖ Master of Computer Application (MCA) from IET Dr. R.M.L. Avadh University with 72.8% in 2015.
- ❖ Bachelor of Computer Application (BCA) from Jhunjhunwala P.G. College with 68.9% in 2012.
- ❖ Intermediate (Science) from Sarbodaya Inter college (SIC) in 2009.
- ❖ High School (Science) from Ram Charan Inter College (RCIC) in 2007.

## Employments History

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- ❖ Currently working in **3Cllogic PVT LTD** as a **DevOps and Cloud Automation Engineer** from **July 10<sup>th</sup>, 2018** to **Present**.
  - **Working Technology:** AWS, Kubernetes, Python, Docker, Jenkins, MySQL, Ansible, Terraform, Scripting, Linux and ELK.
  - **Product Based Company.**
  - **Projects:** Company has its own product.

### Responsibilities Held:

- Setting up a fully automated and scalable Infrastructure with IaaS using terraform, CloudFormation and Ansible on AWS.
- Configuring end to end CI/CD setup using Jenkins, Groovy Scripts, Jenkins Shared Library, helm, ECR, Kubernetes, etc.
- Design and **build multi-tier application** using various AWS Services.
- Used Istio Service Mesh for efficient API communication and Kong as API Gateway.
- Managing Java and node applications on Kubernetes with autoscaling using on-demand and spot EC2 instances.
- Managing Logging file beat, fluentd, Elasticsearch and Kibana.
- Automation of Cloud Infra using **Python/C# SDK, CloudFormation, Terraform** and **CLI**.

- Troubleshooting the Issue related to OS, Application and Cloud Technology.
- Wrote various lambda functions for backups and Scheduled start stop of non-Prod environments.
- Using various Kubernetes tools like cluster autoscaler, spot reschedule, spot termination handler, chart museum, kube2iam, external-dns, etc.

#### Accomplishments:

- **Certificate of Appreciation** for Cloud Automation setup.
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❖ Previously worked in **PROGRESSIVE INFOTECH PVT LTD** as a **Linux and Cloud Automation Engineer** from **May 23<sup>rd</sup>, 2016 to July 5th , 2018.**

- **Working Technology:** *Linux, AWS, Azure, Python, C# and Database.*
- *Service Based Company.*
- **Projects:** Fortis Healthcare Limited, Jubilant Food works Limited, Dabur India Limited, Zee Entertainment Limited, Pidilite Ltd, Havells India LTD, 91Mobiles.com, Fortune Marketing Pvt Ltd, Jagatjit, Spice India Ltd etc.

#### Responsibilities Held:

- **Cloud Programming.**
- Automation of Cloud Infra using **C# and Python SDK** and **CLI.**
- **Responsible for automating various tasks** such as Image Backup with retention, Auto Instances Start and Stop, Auto snapshot of EBS, Automatic Inventory management, Auto checking Security essentials etc.
- Managing and deploying various services using AWS and Azure.
- Deploying and Managing Linux Servers.
- Troubleshooting issues on servers and application availability.
- Configuring and Managing LVM on the servers.
- Configuring and managing Web servers, MySQL, NFS, and Samba etc. on the Linux servers.

#### Accomplishments:

- Based on Good Quality Scores after 6 months transferred to Cloud Technologies.
- **Certificate of Excellence for Outstanding Performance** (*Progressive InfoTech – Quarterly Award*), 2018.
- Got **Certificate of Appreciation** for *Automated the manual various process* like as Image Backup Creation and deletion, auto start/stop servers for multiple AWS and Azure Clients, Syncing the logs and data to S3 Buckets, Auto Start and Stop the Services on Linux servers.

#### Technical Skills

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- ❖ **Language:** Python, Bash Script, C# and C.
- ❖ **Database:** MySQL, PostgreSQL, MongoDB, Elasticsearch, Redis
- ❖ **Technologies:** Asp.net, jQuery, HTML 5 & CSS3.
- ❖ **AWS :** Cloud Formation, Glue, Kinesis Firehose, Event Bridge, Transit Gateways, SQS, SNS, Lambda, API Gateway, RDS, Code Commit, Code Build, Code Deploy, EC2, ELB, Cloud Front, VPC, VPN, Route 53, S3, IAM, Cloud Trails, Cloud Watch, EFS, Work Docs, AWS SDK, AWS Config, CLI and API's etc.
- ❖ **Linux:** Installing and Configuration, Users & Groups, Permissions, SUID, SGID, Sticky Bit, ACLs, Partitions, LVM, Links, Processes Management, Firewall, Services & Daemons, Scheduling Future Tasks, FTP, NFS, Samba, Apache, MySQL, Bash Scripting, etc.
- ❖ **Containerization:** Docker, Docker-Compose, Kubernetes, EKS, ECS

- ❖ **Monitoring and Logging Tools:** Nagios, ELK and Cloud Watch
- ❖ **SCM Tools:** GIT, SVN, GitHub
- ❖ **Web & Domain Hosting:** Apache, Tomcat, Nginx, IIS
- ❖ **Configuration Management:** Ansible, AWS SSM
- ❖ **Monitoring Tool:** Nagios, APM, Metric beat, Prometheus, Grafana, Elastic-Heartbeat
- ❖ **Logging Tools:** ELK
- ❖ **Builds/Continuous Integration tools:** Jenkins, AWS Code commit, Code Build and Code Deploy
- ❖ **Databases:** MYSQL, RDS, SQL Server
- ❖ **Load Balancer:** ELB, ALB, HaProxy,
- ❖ **Servers:** Apache, Samba, NFS, FTP
- ❖ **Operating Systems:** Redhat, Ubuntu, Centos, Windows, Basic knowledge of Windows Server 2012.
- ❖ **API:** Boto, boto3, Cloudflare
- ❖ Microsoft Office (Word, Excel, Power point).

### Achievements & Curricular Activities

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- ❖ College topper of MCA batch in 6<sup>th</sup> Sem Examination.
- ❖ Implemented "Online Crime file Management" Project which is rewarded as a Project of Sem in 2015.
- ❖ Nominated as Event organizer at School and College Annual Day functions and other Technical Events.
- ❖ Worked as a member of Cultural and Core Committee of MCA Dept. in IET.

### Personal Details

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Father's Name:	Mr Tej Bahadur Shukla
Permanent Address:	Vill- Goyadi, Post- Ghatauli, Dist.: Faizabad, U.P.-224164
Date of Birth:	Nov 11 <sup>th</sup> , 1992
Nationality:	Indian
Language Known:	English, Hindi

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Noida

RAJESH KUMAR SHUKLA