**Ritesh Kumar Singh**





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***Seeking a challenging growth oriented DevOps position in an organization where my skills are effectively utilized***

***BRIEF OVERVIEW***

* Certified in **Amazon Web Services Solutions Architect – Associate Level, Verification Number: 1HBJN5Y2B1RE11CM**.
* RedHat Certification of Expertise in **Ansible with Automation** with **Certification number: 170-207-278** .
* Created Infrastructure using **AWS** services **(EC2, S3, S3-Glacier, IAM, VPC, EFS, SQS, SES, Cloudformation, CloudWatch, CloudTrail, Cloudfront, Autoscaling, Loadbalancer, Lambda, ECR, Elastic-Beanstalk, Code-Commit)**.
* Worked on **Docker** with customized different images and used docker-compose to run multiple containers.
* Worked on **Kubernetes**, Creation of Kubernetes Cluster and Created Deployments and Services for running Application, Creation of Persistent Volume, Persistent Volume Claim and used them for Pod creation.
* Worked on **Bash Shell-Scripting and Python Scripting**.
* Worked on **Terraform** for creation of Infrastructure.
* Worked on **GitLab**, **Git-Hub** and **Jenkins**.
* Worked as a Linux Admin and worked on **Kernel-upgrade**, **LVM**, **NFS**, **Samba** and **LAMP** server.
* Having **4+ years** of experience.
* Completed technical training of **Red Hat Linux (RHCSA + RHCE)**.
* Completed technical training of **CCNA Networking**
* **Received prize from ‘Optical Society of India’** for commendable work on the topic “Synthesis of TiO2 Nanoparticles for its application in solar cell as a self cleaning material”.
* Detail-oriented with an analytical bent of mind and positive attitude with ability to work independently as well as in team**.**
* An effective communicator with analytical, interpersonal and problem solving abilities.

***ACADEMIC CREDENTIALS***

**2015 M.Tech. (Advanced Materials Science & Technology)** from National Institute of Technology Durgapur,

*Secured 9.25 CGPA.*

**2011 DESD (Embedded system Design)** from C-DACNoida,

*Secured 71% marks.*

**2009 B.Tech. (Electronics & Communication Engineering)** from Dr. MGR Educational and Research Institute,

Chennai, Tamil Nadu. (Deemed University). *Secured 8.68 CGPA.*

## **2003 Intermediate (CBSE)** from Jesus & Mary Academy,

*Secured 64.8% marks.*

**2001 High School (BSEB)** from Raj High School,

*Secured 74.8% marks*

***PROFESSIONAL EXPERIENCE***

* Working as a DevOps Engineer with Biz2Credit Info Services Pvt. Ltd from February 2020 till today.
* Worked as a Senior Systems Engineer with Infosys Limited from July 2018 to till January 2020.
* Worked as a Software Engineer on Cloud Computing Platform at Infinite Computer solutions from April 2017 to May 2018.
* Worked as a System Administrator in Accenture Services Pvt. Ltd. on the payroll of Primus Global Technologies Pvt. Ltd. from May 2016 to till July 2016.
* Worked as a senior trainee engineer in Maintenance Department in SATURN RINGS AND FORGINGS PVT. LTD. from June 2015 to December 2015.
* Worked as Embedded Software Developer in Cyber Croup India Pvt. Ltd from October 2011 to March 2012.

***ROLES AND RESPONSIBILITIES***

* Written Several playbooks for Ansible for configuration management.
* Running Docker containers using Docker Images and customized images.
* Created Infrastructure using AWS Services EC2, IAM, S3, S3-Glacier, VPC, EFS, SQS, SES, Cloudformation, Cloudfront, Autoscaling, Loadbalancer, Lambda, ECR, CloudWatch, CloudTrail, Elastic BeanStalk, Code-Commit.
* Created from scratch and handled CICD Pipeline for dev, qa and prod environment using GitHub, Jenkins, Ansible and Application Server (Tomcat), configured the web-hook for Jenkins Deployment.
* Created the Setup using LoadBalancer and AutoScaling Group for spring boot Application which was running in the tomcat server in EC2 Instance (Spinned-up using AutoScaling Group).
* Creation of Kubernetes Cluster and Created Deployments and Services for running Application, Creation of Persistent Volume, Persistent Volume Claim and used them for Pod creation.
* Worked with Terraform for creation of Infrastructure.
* Worked with Ansible for installation, configuration and handling services as well.
* Worked with Cloudformation Template for creation of AWS Resources.
* Worked with python scripting for handling AWS EC2 Instances.
* Installation and handling of LAMP ( Linux, Apache, MySql and PHP ) Server.
* Handle Servers.
* Worked as a Linux Admin.
* Trouble Shooting Client systems.
* Installation of Wireshark and packet capturing.
* Look after Network Problems like Internet access and Connectivity.
* Worked with shell-scripting for taking backup.

***BEYOND CURRICULUM***

* Qualified GATE in Electronics and Communication Engineering with 94.27%.
* Verbal Presentation on the topic “Synthesis of TiO2 Nanoparticles and Its Thin Film for Self-Cleaning Application” in short term course on Experimental Techniques for Materials Characterizations at NIT Durgapur.
* Presented the topic headlined under “Synthesis of TiO2 Nanoparticles for its application in solar cell as a self cleaning material” at ‘International Conference on Optics and Photonics - 2015’.
* Participated in one week short term course on “Fundamentals of Photonics and Optoelectronics” at NIT Durgapur.
* Participated in short term course on “Modern Methods in Materials Processing And Characterizations” at NIT Durgapur.
* Topper in First Semester and overall second Topper of the Department in M-Tech.
* Undergone 2 weeks in-plant training in BSNL, Darbhanga.
* Undergone a certification program in nanotechnology.
* Participated in IIT, Madras tech. fest SASTRA.
* Organized various events at Dr. MGR Educational and Research Institute tech. fest TECHASTRA.

***PERSONAL DOSSIER***

Date of Birth : 13th August, 1985.

Address : S/O-Pramod Kumar Singh, Sudama Niwas, Shivajee Nagar, Darbhanga, Bihar, Pin Code-846004.

Languages Known : Hindi and English.