Dhiraj Kumar Singh

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Education

B-Teach, in Computer Science and Engineering from Vishveshwarya Institute of Engineering and Technology, Greater Noida, in 2015.

Achievement

Got **Customer appreciation** and **Cheer board nomination** in Nagarro in 2017, 2019 and 2020 For excellent contribution by going out of way support to restoring the server with application by working round the clock and coordinate with all relevant stockholders to ensure application

Languages

English - Good

Hindi - Good

Bhojpuri- Good

Profile

Over 9+ years of comprehensive experience in the design and implementation of CI/CD and DevOps implementation/Operations for Agile projects, working with technologies and platforms including UNIX/Linux, GCP, Azure, Git, Jenkins, AWS, Ansible, RedHat OpenShift, Kubernetes, Docker. Preserve Infra as code and API using CMS and terraform.
Experienced in Configure and Supporting monitor tools like new relic, sysdig, Dynatrace, cloudwatch and Prometheus.

Key skills

RedHat Linux, GCP, AWS, AKS, GKE, Terraform, EKS, Kubernetes, RedHat OpenShift, Jenkins, Shell Script, Azure, SVN, GIT, Ansible, Elastic stack (ELK/EFK), Prometheus, datadog, Zabbix and Dynatrace.

Key courses and training
- RedHat Certified Engineer
- RedHat Certified Specialist in OpenShift   Administration
- GCP certified Professional Cloud Architect
- Google cloud certified professional cloud security engineer
- Sentinel one certified Administrator
- PagerDuty API masterclass certification
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified Security, Compliance and Identity Fundamentals.

Work experience

Project Lead
Persistent Systems, India | Feb 2024 – till Date

Current Projects (2024-2024)

- Provide leadership and work collaboratively with development team and client to fulfill the DevOps and platform requirements.
- Design and planning for new application architecture and ensure the implementation plan.
- Manage project timelines and workload for Development team.
- Infrastructure building on GCP using terraform and AWX.
- Provisioning common pipeline for CI/CD using gitlab and argocd.
- Telemetry and Observability system establishment and management.
- Branching Strategy and commit flow management.
- Fleet management using Anthos service mesh and istio.
- DNS and package management for different location office of client.
- Access management for cloud and DevOps tools.

Staff Engineer
Nagarro Software Gurgaon, India | June 2017 – Jan 2024

Insurance Application (2020-2024)
- Provide leadership and work collaboratively with platform engineering and COE including defining policies, proactively looking to solve operational issues.
- Maintain terraform state for infra.
- Manage project timelines and workload for Development team.
- Responsible for managing OpenShift and AKS cluster for client.
- Day to day operation for GKE clusters.
- New-relic policy maintenance and telemetry management for logging system
- Work on assigned cluster incident tasks.
- Platform and component upgrade like istio, new-relic and heartbeat etc.
- RabitMQ payload publishing and helping developers to publish them.
- Manage project timelines and workload for the dev team.
- Setup and Manage CICD pipeline for RBACK, Net-policy and other adhock changes on cluster. Patching and backup using ansible jobs.
- Config server deployment for new landscape for encryption and decryptions.
- Resource management on clusters and namespace.
- Certificate and RBAC management.
- Monitoring using new relic and Dynatrace.

JAAS (Jenkins as a service) (2019-till date)

- Manage project timelines and workload for the Development team.
- Responsible for supporting GKE cluster for client using CI/CD.
- Responsible to manage Jenkins as service for client.
- Support developers in deployments using devops tools.
- Responsible to manage interconnect for on-prem servers.
- Selfservice portal Administration and approve users for platform access
- Managing user role on cluster using IAM policy.
- Rolling Upgrades and token management.
- Dashboard creation and monitoring using sysdig, stackdriver and Grafana.
- Resource management on clusters and namespace using python.

Connecting APP (2018-2023)

- Manage project timelines and workload for the Development team.
- Code management using codewhisperer.
- Responsible for supporting AWS EC2 and Openshift cluster for client using CI/CD.
- Responsible to manage Connecting apps using swagger.
- Support developers in deployments using devops tools.
- Responsible to manage hybrid network.
- Internal portal administration and data fabrication in data telemetry.
- Managing user role on portal/cluster using IAM policy.
- Rolling Upgrades and token management.
- Realtime application monitoring 24x7.
- Resource management on clusters and namespace using python.
- Cost optimization during off working hours.

MMG OpenShift (2017-2019)

- Work with client and developers to understand the requirement and consulting.
- Cluster management on OKD / OpenStack on-prem environment
- Data jobs management using devops tool like Ansible tower.
- Manage project timelines and workload for Development team using CI/CD.
- On-prem and cloud-based cluster creation and end to end encryption using terraform.
- Managing resource utilization Data Source tracing and patching using devops tools like Ansible and Jenkins CI/CD.
- Network and firewall management.
- Advance Linux system administration and security.
- Identity and Access management.
- FIM Configuration and support.
- Log Analysis and ETL configuration.
- Certificate and encryption key Management
- Storage and backup management
- Monitoring using datadog and grafana.

System Administrator

Clixlogix Technologies Pvt Ltd., Noida | July 2016 – June 2017

- AWS sever support for clients in 24*7*365 environment.
- SVN server maintenance, client creation and SVN log check.
- Application deployment on local Test server.
- Server Monitoring using NAGIOS and CloudWatch.
- Linux and Windows System installation and troubleshooting.
- PHP, java, Nodejs, WordPress, and PHP framework project deployment on different hosting of clients.
- Developers Account Creation, Android and IOS mobile Application Deployment.
- SSL Certificate installation and CSR creation.
- Project publishment on google play store and IOS App store

System Administrator

Six Websoft PVT ltd | April 2015 - July 2016

- Worked towards the achievement of the strategic and operational objectives of the group located across multiple locations in a 7x24x365 environment.
- Data backup service using AWS S3.
- Scheduler monitoring and rescheduling cron job on IBM AIX server.
- Provide platform for java integrated on cordis with OT team.
- Server monitoring and reporting.