**RED HAT**

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| **Degala NagaJyothi**  +91 9391211024  Email: nagajyothidegala2000[@gmail.com](mailto:aditisalokhe2811@gmail.com) |
| ***Career Goal*** |
| To be able to work in the organization as OpenShift Engineer where I can fully utilize my skills in help the organization to run their applications more efficiently. |

OPENSHIFT

Container Platform

# Summary

* Over 0.6 Months of Internship at BigSpire Software Pvt Ltd in IT comprising of Designing, Development, Integration of DevOps tools, Build Automation, Configuration Management, Build/Release and Delivery Management, Cl/CD, involving cloud infrastructure services like (Amazon Web Services) as well as Cloud Migration services using Cloud formation.
* Explaining **Red Hat OpenShift Container Platform**. Examining the content for correctness, completeness, and clarity. Make direct comments in the issue tracker with the feedback and provide a product update.
* Configuring Authentication and Authorization by using **HTPasswd** Identity Provider.
* Trouble shooting **OpenShift Clusters** and Applications.
* Created the deployments, services, and **ingress flows** for the application setup in the Kubernetes cluster.
* Verifying the Health of a Cluster, Configuring Authentication and Authorization, Configuring Application Security – **RHACS**.
* Configuring OpenShift Networking for Applications, Controlling Pod Scheduling, Describing Cluster Updates, managing a Cluster with the Web Console, Operating a Production **Kubernetes Cluster**
* Troubleshooting **OpenShift Container Platform 4.x: DNS**. Troubleshooting OpenShift Container Platform 4.x: Image Registry Operator Troubleshooting OpenShift Container Platform 4.x: cluster-network-operator.
* Troubleshooting OpenShift Container Platform 4.x: **ovn- Kubernetes Troubleshooting**

OpenShift Container Platform 4.x**: OpenShift-sdn**

* Troubleshooting OpenShift Container Platform 4.x: **Operator Lifecycle Manager (OLM).**

Troubleshooting OpenShift Container Platform 4.x: **Cluster Logging**

* Resolve issues for enterprise customers by providing high-level technical support and sustaining engineering services. Analyze upstream development against current customer reported defects and develop patches to resolve issues. Document customer interactions including investigation and resolution of issues
* To examine and troubleshoot technological issues, used tools such as **cURL, Git, Docker**, and

**Kubernetes**. Collaboration with Red Hat's development engineers on production support.

* Worked with **RedHat OpenShift Container Platform** for **Docker and Kubernetes**, used Kubernetes to manage containerized applications using its nodes, ConfigMaps, node-selector, Services and deployed application containers as Pods.
* Created **Pods in Kubernetes** and monitored the health of pods.
* Perform maintenance and troubleshooting of our enterprise Redhat OpenShift systems
* Work to continuously improve speed, efficiency and scalability of OpenShift systems
* Design and implement scalable enterprise monitoring systems by applying continuous integration/delivery concepts
* Extensive experience on AWS services like **ELB EC2, S3, VPC, Cloud Formation, Route 53**, Network Connectivity troubleshooting, Hybrid Environments and VPCpeering.
* Experience on AWS, focusing on high - availability, fault tolerance, and auto-scaling using Terraform templates
* Experience working within **SDLC** framework like **waterfall and Agile.**
* Expertise in App Containerization technology Docker, creating **Docker images**, **Containers**, **Docker Registry** to store images, cloud-based registry **Docker Hub**, Docker Swarm to manage containers.

# Technical Skills

Proficient in working with operating systems:

* Linux (RedHat 4/S/6/7, CENTOS & SUSE)
* RedHat Linux 4/5/6/7
* Windows servers 2003, 2008, 2008 R2, 2012, XP, Windows 7, Windows 10

Proficient in working with cloud systems:

* Amazon Web Services

Proficient in working with Container Orchestration Tools:

* OpenShift
* EC2 Container Services
* Kubernetes
* Docker
* Git
* GitHub
* YAML
* SQL

Virtuoso in utilizing database management systems:

* MySQL, SQL Server
* MS Access

Adept in using Microsoft programs:

* MS Project, MS Office
* MS Access, MS Excel

### Certification

* PG Diploma in Python

### Educational Background Year of Passing

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| Bachelor’s Degree in  Electronics & Telecommunication Engineering | May 2023 |

### Organizational scan

* Worked as an DevOps / OpenShift Engineer in Vodafone Idea Limited from Mar- 2020- May 2022.
* Worked as a Graduate Engineer in Vodafone Idea Limited from Dec-2019 to Feb-2020.

### Relevant Experience

**Project: OpenShift Operation and Support**

DevOps / OpenShift Engineer Mar 2020-May 2022

Vendor: Vodafone Idea Limited Pune

**Responsibilities:**

* Describing the **Red Hat OpenShift Container Platform**. Reviewing the **content for accuracy, completeness, and clarity**. Make comments directly in the issue tracker with the feedback and gave the product update. Open-LDAP Replica.
* Maintaining **Persistent Volume and Persistent Volume Claim** Life Cycle.
* Configuring **Authentication and Authorization** by using HTTPasswd Identity Provider.
* Created the **deployments, services, and ingress flows** for the application setup in the Kubernetes cluster.
* Performing roll back and roll out features for the application
* Verifying the **Health of a Cluster**, Configuring Authentication and Authorization,

## Configuring Application Security – RHACS

* Configuring **OpenShift Networking for Applications**, Controlling **Pod Scheduling**, Describing **Cluster Updates**, managing a Cluster with the Web Console, Operating a **Production Kubernetes Cluster**
* Troubleshooting OpenShift Container Platform 4.x: DNS. Troubleshooting OpenShift Container Platform 4.x: Image Registry Operator Troubleshooting OpenShift Container Platform 4.x: cluster-network-operator.
* **Troubleshooting OpenShift Container Platform 4.x**: Operator Lifecycle Manager (OLM).
* Troubleshooting **OpenShift Container Platform 4.x:** Cluster Logging.
* Resolving issues for enterprise customers by providing high-level technical support and sustaining engineering services.
* Analyze upstream development against current customer reported defects and develop patches to resolve issues.
* Document customer interactions including investigation and resolution of issues.
* OpenShift Container Platform Provides mechanisms for automatically increasing and decreasing the number of compute nodes in the cluster.
* **Installing, configuring, testing** and maintaining operating systems, applications software and system management tools ensuring the highest levels of systems and infrastructure availability
* **Monitor and test** application performance for potential bottlenecks, identify possible solutions, and work with developers to implement those fixes.
* Maintain **security, backup**, and redundancy strategies.

### Management Skills

* Leading, mentoring & monitoring the performance of the Junior Resources to ensure efficiency in process operations and meeting of individual clients.
* Creating and sustaining a dynamic environment that fosters development opportunities and motivates high performance amongst team members

### Client Relationship Management

* Managing onshore vendors solely, ensuring vendors satisfaction by achieving delivery & service quality norms with minimum TAT.
* Interfacing with vendors for understanding their requirements and cultivating relations with them for secured repeat business.

### Personal Dossier

* Date of Birth : 20 Nov 2000
* Linguistic Abilities : English, Telugu