**CONFIDENTIAL**

**Performance Review Form: CTIS 2023-24**

|  |  |
| --- | --- |
| **NAME:** | **Ashish Dachapalli** |
| **POSITION:** | **DevOps Engineer** |
| **DATE OF JOINING** | 21 July 2021 |
| **TOTAL OVERALL EXPERIENCE** | 2 Years |
| **TOTAL EXPERIENCE IN C-TEL INFOSYSTEMS PVT. LTD.** | 2 Years |

Please write in detail for each row as it is compulsory to review your performance. Do not copy and paste from others. This review is confidential.

***(a) Please write in a detail for each row for the period of your joining to till date***

|  |
| --- |
| **What is the role function you have performed? Elaborate with duties & responsibilities you delivered.**  My role is to perform as a system administrator (Linux and windows) and DevOps engineer.  As a system administrator, my responsibilities include:   * Taking full ownership of the installation, configuration, and maintenance of server hardware and software. This encompassed managing diverse operating systems, server applications, and ensuring optimal system performance and availability. * Providing exceptional L3 support for Linux Production, Development, Testing, and UAT Servers, ensuring smooth operations across multiple environments. * Successfully installing, configuring, troubleshooting, and optimizing various Linux distributions such as RHEL, CentOS, OEL, Ubuntu, as well as Windows and web servers like Apache and Tomcat. * Installation and Configuration of databases like MYSQL, PostgreSQL, POSTGRES EDB, MSSQL and Oracle * Proficiently setting up and maintaining virtualized environments using VMware technologies, enabling efficient server deployment and management. * Implementing health checks for systems and applications through monitoring tools like Nagios, ensuring proactive detection of issues and swift resolution. * Efficiently managing servers using remote consoles like ILO for HP, enabling remote administration and troubleshooting. * Proficiently managing disks and file systems using LVM on Linux, ensuring efficient storage management and data integrity. * Successfully deploying and maintaining VMware ESXI 5.x, 6.x, and 7.x on HP Blade servers and IBM tower servers, providing reliable virtualization platforms for the organization.   These achievements demonstrate my proficiency in system administration, troubleshooting, virtualization, and database management, contributing to the stability and performance of the IT infrastructure.  As a DevOps engineer, my responsibilities include:   * Establishing and configuring Docker and Kubernetes clusters, including the installation and setup of crucial components such as the Kubernetes control plane, etcd, and networking plugins. This ensures the seamless functioning of the cluster while enabling effective management of pod lifecycles. * Installing, configuring, and maintaining Docker on various platforms. This involves ensuring the availability and proper functioning of Docker images, containers, and repositories. * Installing, configuring, and maintaining Kubernetes clusters. This includes managing Kubernetes resources such as pods, deployments, services, and namespaces to facilitate the efficient deployment and scaling of applications. * Monitoring and scaling Kubernetes clusters to ensure high availability. This involves implementing monitoring solutions, setting up alerts, and dynamically adjusting the cluster's capacity based on resource utilization. * Configuring and managing Kubernetes storage and networking. This entails provisioning and managing storage volumes, configuring persistent storage for applications, and setting up networking for seamless communication between pods and services. * Upgrading and patching Kubernetes versions. This responsibility involves staying up-to-date with the latest releases and security patches, planning and executing version upgrades, and ensuring minimal downtime during the upgrade process. * Integrating application deployments with CI/CD pipelines and DevOps workflows.   Overall, as a DevOps engineer, my goal is to streamline the development and deployment processes by leveraging Docker and Kubernetes technologies, ensuring the reliability, scalability, and performance of the infrastructure supporting the applications. |
| **What were your key achievements over this period?**  Here are the few key achievements during this period:   * Successfully implemented a production-grade Kubernetes cluster utilizing HPE infrastructure. * Established robust database servers at a production level using HPE infrastructure. * Created a dedicated production replica of the HPFS web server exclusively for the QC environment. * Implemented and enforced stringent security policies for Assam and Himachal central applications. * Executed the seamless migration of virtual machines (VMs) from one blade to another within the C3000 infrastructure at state DC. * Successfully migrated and hosted the C-Tel website and various local applications from Nutanix to the In-house(C-Tel-HYD) DC. * Efficiently managing the hardware and servers of HPFS in the state datacenter-Hyderabad. * Oversaw the management of hardware and servers for Hp-excise in the state datacenter-Shimla. * Effectively managing Assam cloud servers. * Provided management and support for BPCL cloud DEV, UAT, and PROD servers, including Docker and Kubernetes. * Oversaw the management of local Ctel-office IBM servers and systems, such as VDI, DEV, and QC servers. * Provided support to all Depot distillery primary and secondary servers, as well as Linepc's. |
| **Have any problems or issues arisen over this period? What was the solution you have rendered?**  During the course of time, I encountered a few challenges, which was a complete blade corruption in the primary data center. To address this issue, we implemented a solution by swapping the data disks to a functioning blade and configuring them accordingly. |
|  |
|  |
| **What were your improvements and targets you have set out during this period?**  During this period, as a system administrator, I have made significant improvements in maintaining server hardware and software, which encompass managing operating systems and various server applications such as Apache, Tomcat, and Nginx.    As a DevOps engineer, I have honed my expertise in managing and optimizing DevOps tools such as Docker, Kubernetes, Jenkins, Git, Maven, and Nagios. I have also gained proficiency in configuring and deploying clusters for Docker and Kubernetes, ensuring efficient and scalable containerized environments. |  |
|  |
|  |
| **As per you, what is the Vision you have completed for yourself and also for the Organization during this period?**  Throughout the period, I have acquired extensive knowledge on virtualization and containerization, and despite the absence of technical support in the IT department, I successfully implemented these technologies in the production environment. |  |
|  |
|  |
| **How many hours of training you have rendered to yourself and towards your team members? Name them with the period?**  Throughout my six-month probation period, I dedicated 2-3 hours each day to comprehensive training on the track and trace system, gaining deep insights into its functioning and the associated responsibilities as a system admin within our organization. I enthusiastically shared this knowledge with my colleagues and junior team members, ensuring they were equipped with the necessary skills and understanding. |  |
| **How good you were able to make the delivery of the solution of the Project in the timely manner. If Yes, write in detail and if No, write the reasons**  As a part of IT Team, after collaborating with all the project stakeholders, gather requirements, and define clear project goals and timelines.  Based on the knowledge I have acquired on servers, I am confident that I can deliver the project before the timeline, leveraging my expertise in server management and ensuring efficient project completion. |  |
|  |
|  |
|  |
|  |
| **Have you maintained a detailed documentation of the Oracle, Postgres databases? Submit along with.**  N/A |  |
| **If You are the DBA, How many solutions you have provided independently for the incidents experienced till date. Have you documented. If yes, where you have stored for review?**  N/A |
| **In Which module of DBA you are now fully trained. Name the module with the Project names.**  N/A |
| **Have you documented all the incident reports? If yes, tell us where we can review.**  Yes, I have diligently documented all the issues and problems I encountered throughout my experiences as a system admin and devOps engineer, ensuring a comprehensive record for future reference and analysis.  If you grant me SVN access, I will ensure all my documents are securely committed under SVN. |
|  |
|  |
| **What is the next vision of your career?**  As a sysadmin with DevOps expertise, my goal is to transition into the role of a cloud architect. This entails designing and architecting cutting-edge cloud-based solutions, harnessing the power of cloud services and technologies, and optimizing infrastructure to achieve scalability, high availability, and cost-efficiency. My focus lies in crafting robust and scalable cloud architectures that seamlessly align with the organization's overarching business objectives. |  |
|  |
|  |
| **How do you feel the period from your date of Joining to this DBA Team. What are the drawbacks and improvements needed for the better Work Culture?**  N/A |  |
|  |
|  |
| **What are your individual key achievements over this period?**  Here are my individual key achievements during this period:   * Successfully set up a production-grade Kubernetes cluster using HPE infrastructure. * Established production-grade database servers using HPE infrastructure. * Created a production replica of the HPFS web server specifically for the QC environment. * Implemented robust security policies for Assam and Himachal central applications. * Executed the migration of virtual machines (VMs) from one blade to another in the c3000 infrastructure. * Migrated and hosted the C-Tel website and various local applications from Nutanix to the C-Tel-Hyd data center. |  |
| **Have any problems or issues arisen over this period?**  During the course of time, I encountered a few challenges, one of which was a complete blade corruption in the primary data center. To address this issue, we implemented a solution by swapping the data disks to a functioning blade and configuring them accordingly. |  |
|  |
|  |
|  |
|  |
| **Have you maintained a Training document of the Module you are trained?**  Yes, I have maintained all the trained documents. |  |
| **What improvements and targets would you like to set out for the next 12 months?**  I aim to establish measurable targets that harness the full potential of cloud services and technologies. This involves maximizing the efficiency of cloud resource utilization, delving into serverless architectures, and implementing strategies to optimize costs effectively. |  |
| **What help do you need to complete the above targets?**  To achieve the above targets, I recognize the need to seek assistance from cloud service providers, consulting firms, or training resources to enhance my capabilities and successfully fulfil the objectives. |  |
| **What training can we help you with?**  I am eager to undergo training in cloud technologies, including Amazon Web Services (AWS) and Microsoft Azure, as well as receive training in DevOps practices and automation. |  |
|  |
|  |
| **What improvements and targets would you like to set out for the next 12 months?**  I aim to establish measurable targets that harness the full potential of cloud services and technologies. This involves maximizing the efficiency of cloud resource utilization, delving into serverless architectures, and implementing strategies to optimize costs effectively. |  |
|  |
|  |
| **Are there any other points you’d like to discuss, Elaborate it?**  I would like to discuss the heavy workload and immense stress we are currently facing as a result of the absence of technical support. Having access to dedicated technical support would be immensely appreciated, alleviating the burden and enabling us to work more efficiently.  Moreover, it would be highly rewarding if our efforts and work performance were duly recognized and acknowledged, further motivating us to deliver exceptional results. |  |
|  |
|  |
|  |
|  |
|  |
|  |

|  |  |
| --- | --- |
| **Signed by Associate:** |  |
| **Date:** |  |
| **Signed & Remarks by Reviewer:** |  |
| **Date:** |  |