Vinod Kumar

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***In pursuit of challenging assignments that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization***

Young, energetic and result oriented **B.Sc. (Computer Science)** professional around **6** years of experience as **Devops/Aws Cloud Engineer** in IT area, Persuasive communicator with exceptional relationship management skills with the ability to relate to people at any level of business and management, highly ethical, trustworthy and discreet.

* Proficient in multitasking to achieve individual and team goals and prioritizing and completing tasks to meet customers' needs.
* Customer focused with diverse industry experience including System administration, Implementation of various Cloud Computing environments. Enjoys learning new technologies, programs and processes.
* A good team player who is attentive to detail and able to work in a fast-paced environment. Excellent oral and written communication skills.
* Able to negotiate and problem solve quickly, accurately, and efficiently.
* As part of my assignments, I have been involved in scripting/automation, Cloud Computing projects in AWS, Linux, monitoring, troubleshooting, build, deployment and process.

**Work Profile**

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| --- | --- |
| Current Designation | : Software Engineer |
| Area of Work | : Devops/Aws Cloud Engineer |
| List of Major Technologies | : Windows, Red Hat Linux, AWS Sysops Admin, Chef, Jenkins, SVN, Git and Jira |

**IT Forte**

|  |  |
| --- | --- |
| **Operating Systems** | Windows, Red Hat Linux |
| **Version Control** | SVN, Git |
| **Cloud Technologies** | AWS Sysops Admin |
| **Continuous Integration Tools** | Jenkins |
| **Configuration management Tools** | Chef |
| **Ticketing Tool** | Jira, Remedy |

**Professional Experience**

**CAI**  **(Aug 2017 to till date)**

**Software Engineer**

**Infosys**  **(Aug 2014 to Aug 2017)**

**Software Engineer**

**CTS (Jun 2012 to Jul 2014.)**

**System Administrator**

**Roles and Responsibilities at Infosys**

**AWS Cloud operations**

* Project Implementation on Amazon Web Services Cloud computing
* Analyzing and validating the present customer environments and providing suggestion improving performance, reducing the security risks and cost-efficient solutions
* Design and Implement the architecture with HA (High Availability) and DR (Disaster Recovery) solution for new customer application or migrating the customer application from physical data center to cloud
* Configured Linux servers like FTP, Telnet, SSH, NFS, send mail, apache and Package Management using RPM and Yum
* Automated daily tasks using shell scripting
* Written shell scripts to export/import database backups from RDS & keep the same in S3 (AWS Storage)
* Configured and implemented monitoring tools like Zenoss and Cloud360 to determine outages, downtime and track system performance of client servers.
* Maintaining the monitoring profiles for AWS Services - EC2 Parameters (CPU, Memory, Disk, Response time, etc.)
* Implemented Patch Management for the client servers using WSUS Server and Symantec Endpoint Antivirus
* Proficient in tools like Putty, WinSCP, S3browser, Bucket explorer, Fast Glacier, S3CMD
* Onboard all instances to Cloud360 to be able to manage and monitor applications
* Configured Cisco Router for a remote to site VPN
* Worked on Cloud Computing (AWS). Following are the features implemented and worked
* Amazon EC2, EBS, S3, Glacier, RDS, ELB, VPC, Route 53, Config, Cloud trail, Lambda, Code Deploy, Elastic Cache, SNS, SQS, SES, Cloud Formation, Cloud Front, Cloud watch, IAM, Import, Directory Service
* Closely working with Development Team Implementation of Web application such as Apache and IIS in Amazon Web Services.
* Configured alerts for Splunk Enterprise monitoring tool.
* Prepare knowledgebase documents and keep them in share point folders
* Involved in complete User administration (setup and maintaining account)
* Monitored servers for CPU Utilization, Memory Utilization, and Disk Utilization for performance monitoring and written customized script to utilization details
* Experience in Cloud360 monitoring tool
* Interaction with 3rd party vendors, Client Teams and senior onsite Systems Engineers as necessary to optimally perform job responsibilities
* Create and maintain detailed up to date technical documentation (e.g. standards, process, run books, change requests)
* Attend status review meetings and prepare send the status reports to stake holders
* Regular proactive capacity planning and tending reviews of all systems
* Gave KT to the team and mentored the new team members.

**Chef**

* Experience with Chef, Puppet or other automation framework in production environments with many node
* Improve infrastructure through the development of automation software modules known as Opscode Chef Cookbooks.
* Create cookbooks for deployment automation
* Create Chef Cookbooks and Recipes to maintain and automate various parts of infrastructure.

**SVN, GIT & Jenkins**

* Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
* Experienced in working on DevOps/Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* SVN Server /client planning, installations and up gradation on Unix machine
* Creating and Managing Repository and Branches.
* SVN Server /Repository Backups & Restoration process
* WAR files Build and Deployment. Restart server once the deployment is completed.
* Developing shell scripting for deployments in to servers.
* Verifying the log files if the deployment fails.
* Reporting and updating status of deployment to required stakeholder.
* Implementing continuous integration (CI) using Jenkins
* Creating Jobs in Jenkins. Running the jobs as per build calendar.
* Sending automatic emails through Jenkins if the job fails by installing extended plugins.
* If any Plug-in are required configuring the Plug-ins to Jenkins.
* Scheduling the nightly builds in Jenkins.
* Administration of Continuous Integration tool like Jenkins.
* Create and configure plans for every application in Jenkins.
* Automation of build and deployment process by configuring jobs in Jenkins for each application.
* Maintaining the release tracker.
* Creating the release notes for given release and follow-up with the team to create Release bundle.

**Roles and Responsibilities at CTS**

**Linux**

* Configuration of MYSQL server and MySQL master slave replication.
* Configuration and Manage of Apache Web Server.
* Managing SSH for securing the server.
* Generate SSL certificates for apache web server.
* Working experience on ITIL process (Incident, Change, and Problem Management).
* Creating templates from VM’s and deploy VM’s from templates and allocate resources.
* Performing Snapshots, Cloning, cold migrations and hot migrations.
* Creating Clusters for High Availability (HA) and Distributive Resource Scheduling (DRS).
* Migrating Vm hard disk (SVmotion) Data store to another data store to maintain threshold limit on data stores.
* Configuring Virtual switches and network connections.
* Working on services like Template creation, Resource Pools, Snap shots, monitoring the VM performance, Network configuration, HA and DRS.
* Virtual Center installation, configuration and installation of its components.
* Installing, configuring and managing ESXI servers, virtual infrastructure and virtual center.
* Troubleshooting virtual machine issues.
* Monitoring and Managing Nagios Monitoring tool.
* Installing and configuring of Linux on servers using Kick start.
* Up grading the Linux OS using Kick start.
* Troubleshooting Booting problems and Boot loaders problems.
* Configuring SAMBA (SMB), NFS.
* Package management with RPMs & YUM management in Redhat Linux.
* Upgrading the Kernel, change the kernel parameters, kernel configuration.
* Configuring FTP server to maintain the shared folder within the organization.
* System monitoring, maintaining server logs, job scheduling.
* Managing SSH for securing the server.
* Maintaining Linux Quota System.
* Users and Group Administration and giving special permission using SUID/SGID and Sticky bit.
* Implementing Access Control Lists (ACLs).
* Providing sudo access to the user.
* Manage user accounts, groups, hosts, file systems.
* Monitoring Server processes using ps, top, Vmstat and reviewing logs for failures.
* Administrative commands, configuration files and log files.
* Managing Apache Web Server.
* Experience on DNS Server.
* Experience on DHCP Server.