**Name: Satish Yelchuri**.

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**Professional summary:** Having 8 years of experience as a Devops Engineer in the fields of automation, configuration management and cloud services. Good experience in Software Product Development, Process Automation, Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository & Environment management. Seeking for a position in Devops/AWS to contribute my technical knowledge.

* Expertise in building automated continuous integration and continuous deployment pipeline with the help of Jenkins and versioning artifacts using Nexus repository manager.
* Experience in Installs, Upgrades, Patches, Configuration and system software & hardware
* Expertise in configuration Management tools like chef and puppet, CI/CD with Jenkins.
* Understands Compiled languages including C, C++, C# and JAVA.
* Created puppet manifests and modules to automate system operations.
* Conceived, designed, installed and implemented Puppet configuration management system.
* Configuring and managing computers using Ansible.
* Extensively worked on Jenkins for continuous integration and for End to End automation for all build and deployments.
* In-depth knowledge of Devops management methodologies and production deployment which include Compiling, Packaging, Deploying and Application Configurations.
* Strong knowledge in creating Jenkins CI pipelines and good experience in automating deployment pipelines.
* Experience of Jenkins, Apache Tomcat, Git, GitHub, Maven.
* Created Jobs for Builds and Deployments, installed several plugins in Jenkins to support multiple tools required for the implementation of projects.
* Automated CI/CD pipeline for the Docker deployments onto Kubernetes cluster.
* Installed and configured consul for service discovery tool for Docker containers.
* Installed and configured Telegraf, Influxdb, Grafana and Kapacitor (TIGK) stack for monitoring infrastructure and applications.
* Configured Grafana and influxdb and created dashboards on Grafana to show graphs of environment performance.
* Created private Cloud using Kubernetes that supports Dev, Stage, POC and PROD Environments.
* Managed local Deployments in Kubernetes using Open shift platform, creating local cluster and deploying application containers.
* Installing, configuring and managing Continuous integration, Continuous Delivery, Automation and configuration management tools to make the Open shift cloud setup.
* Managed and dealt with system performance and monitoring tools like Nagios, Cacti, GNOME.
* Provided support and troubleshoot problems related to bootloaders like GRUB and LILO and performed PXE boot.

**Technical skills:**

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| **Operating Systems** | **Linux (Red Hat 4.x, 5.x, 6.x), Ubuntu, UNIX**, **WINDOWS NT/2000/2003/XP/VISTA/7, AIX.** |
| **Web Application Servers** | **TOMCAT, Nginx.** |
| **Cloud Technology** | **Amazon web Services** |
| **Devops Tools** | **ANT, MAVEN, HUDSON/JENKINS, CHEF, PUPPET, OPENSTACK BUILD FORGE, NAGIOS, DOCKER, Kubernetes.** |
| **Databases** | **MySQL, Oracle, MongoDb** |
| **Languages** | **C, C++, Java, Shell, Python.** |
| **Version Control Tools** | **GIT, SVN, Source Tree.** |
| **Cloud Service** | **AWS, GCP and Openstack** |

**Professional Experience:**

**Client:** State Farm, Richardson, TX

**Duration:** Sep 2016 to Till Date

**Role:** DevOps/Cloud Engineer

**Responsibilities:**

* Managed the AWS infrastructure using the automation.
* Automated the Provisioning of EC2 instances. Written Cloud Formation templates to automatically create the VPC's, Subnet's, Routing Tables, Internet Gateways, and to create an EC2 instances inside the subnets.
* Secured the EC2 instances using the Security Groups and provided the extra layer of security using the NACL's.
* Proficient in using the AWS Services like Route53, IAM, SNS, S3, ELB, EBS, EC2.
* Automated the installation, configuration of WebLogic Server on EC2 instances using the Ansible Configuration Management tool.
* Installed the Tomcat application server and managed the state of the Tomcat server using the Ansible.
* Expertise in GitHub workflow, creating/deleting the feature branches, resolving the merge conflicts, Pull Requests, creating/deleting the tags.
* Automated the build of Java application using the Maven and Jenkins.
* Administered the Jenkins infrastructure, Installed the windows and Linux slaves, Managed the users for various projects, installing the plugins, tuning the performance, and integration with GitHub, Jira, Art factory.
* Written python scripts to interact with WebLogic interface to shut down and start the cluster, create the domains, manage the machines.
* Automated the installation of the Grid Infrastructure, Oracle Binaries and creation of database instances.
* Experience in creating the DB users in Oracle, assigning the grants, creating the tables and updating the data on tables.
* Dockerized the micro services and deployed to Kubernetes cluster and automated the complete CICD.
* Did a migration of applications from AWS to GCP (Google Cloud Platform)

**Environment:** AWS EC2, ELB, S3, SNS, Route53, Subnets, VPC's, NACL's, IAM, AMI, Ansible, Docker, Kubernetes, GCP, WebLogic, Oracle, GitHub, PowerShell, Shell/Bash, Python, Jira, Artifactory.

**Client:** Gap Inc., Pleasanton, CA

**Duration:** Feb 2015 to Sep 2016

**Role:** DevOps Engineer

**Responsibilities:**

* Performed system administration activities using used NFS, NIS, DHCP, FTP, Send mail, and Telnet for Linux.
* Managed various file system and added Disk Space on the Linux and UNIX servers.
* Troubleshot and monitored various performance related issues using performance monitoring utilities like VMSTAT, NETSTAT, TOP, IOSTAT and SAR.
* Responsible for setting up and managing hardware upgrades, performance tuning, and resource optimization as required.
* Made backups of the critical files using gzip , tar, zip, gzip and compress utilities.
* Developed Chef recipes to configure, deploy and maintain software components of the existing infrastructure.
* Setting up & trouble shooting the nightly/on-demand builds for all Patches/Hot-fixes and for all releases.
* Configured the ELK (Elasticsearch, Logstash, and Kibana) stack for the monitoring solution.
* Setting up Jenkins Continuous Integration builds for all releases on windows and Linux.
* Involved in meetings with Dev managers to Create, manage and maintain the SCM Plan, standards, and procedures.
* Installed and administered Nexus repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Installed and configured Jenkins tools on Linux and windows platforms, manage slaves and installing Jenkins plugins.
* Streamlined Build process for Fortify scan of code from Manual to Automated mode by setting up Jenkins Automation environment, thus reducing manual error prone, Build time, no logging to machine is required.
* Installed and configured Sonar server and client configured Jenkins jobs to run Sonar Analysis jobs.
* Deployed and managed 5 node mongo dB replica-set on Openstack private cloud using chef.
* Setting up Jenkins Continuous Integration builds for all releases on windows and Linux.
* Administering Hudson/Jenkins CI servers, HP Quality Centre, HP Fortify, Build servers, Code collaborator.
* Deployed the application to AWS cloud and configured the CICD pipeline.

**Environment:** Java, Jenkins, Maven, GitHub, Open stack, Chef, MongoDb, ELK Stack, AWS.

**Client:** UPS, Louisville, KY

**Duration:** Dec 2013 to Jan 2015

**Role:** DevOps Engineer

**Responsibilities:**

* Administered, Installed and maintained Red Hat Enterprise 5.x, 6.x.
* Configured Kickstart and Jumpstart Servers RHEL 4.x/5.x.
* Packaged management and Added patches on Red-hat Linux servers using RPM's &YUM.
* Configured and installed VERITAS file system, VERITAS volume manager and VERITAS cluster server; Troubleshooting and maintaining VCS for failover and redundancy.
* Maintained and configured VERITAS file system, VERITAS volume manager, and VERITAS cluster server.
* Accomplished and Deployed NIS and NFS for administrative and project requirements
* Upgraded and handled Storage, coordinating with vendors on EMC Clarion.
* Worked on adding new Users and groups and give sudo access in test and development servers and central file synchronization via authorized keys, password, shadow, group.
* Worked with DBA team in installing and configuring Oracle 10 g and 11g, Sybase, Db2 client v 8.1 and v9.0.
* Coordinated with application team in installation, configuration and troubleshoot issues with Apache, Web logic on Linux servers.
* Worked on Unix shell scripting for system/application in automating server task, installing and monitoring applications and data feeding file transfer and log files.
* Worked closely and configured IP Multipath on existing servers to avoid the downtime in case of Network Migration.
* Handled capacity planning, system performance, and SLA compliance.

**Environment:** Red Hat Enterprise Linux 3/4/5, HP-UX 11.0/11i, AIX 5.1/5.3L, Sun Fire 4800/3800/V880/ Sun Enterprise 6500/500/4500/450/420R/250 servers, Nagios, EMC Clarion/Symmetric, VERITAS Clusters, HP 9000 K, L, N class server, IBM RS/6000, VERITAS volume manager 4.5, 5, VERITAS cluster server 5, VERITAS NetBackup.

**Client:** ACC Limited, Mumbai, India

**Duration:** Aug 2011 to Oct 2013

**Role:** Linux/ Unix Administrator

**Responsibilities**:

* Systems monitoring and administration of Servers for day-to-day problems, patches, user administration, hardware failure, monitoring log files, backup, software up gradation, configuration changes and documentation.
* Responsible for administration and supporting Oracle 11g and 10g databases.
* Performing day-to-day database administration tasks like Tables paces usage, checking alert log, monitoring disk usage, running SQL scripts against tables/schemas, table partitioning etc.
* Built Servers using Kick start & PXE for Linux Jumpstart for Solaris, and NIM for AIX installation.
* Use NIM servers to manage new LPAR builds for AIX.
* Experience on LVM Creating, Extending and Resizing volumes online.
* Installation and configuration of Veritas Volume Manager, LVM, Veritas File System and Veritas Cluster Server.
* Managing Subscription, System Management, Configuration on RHEL Satellite.
* Experience in Red hat Package management (RPM) and YUM installations.
* Installation, deployments, troubleshooting Remote Monitoring and Management of Servers, running critical applications, which include maintenance of Windows 2003 and 2008 Servers, Patch updating, Updating of OS Service Packs and Antivirus updates and Standard build of the servers.
* Configured and implemented Firewall/Iptables rules based on requirements
* Installation and configuration of Nagios plugin to manage remote machines.
* installed and configured MySQL databases along with windows interactive front end software like SQLyog. Created automated Cron jobs for Database backups.

**Environment**: Red hat 4/5, Apache 2.2, JBOSS 4.2, Centos, Red hat, UNIX, Linux, Shell, Jumpstart, Kick Start, LDOMS 1.2, VMware, Volume Management, Veritas Cluster Servers.

**Client:** Global Data, Hyderabad, India

**Duration:** Jan 2010 to Aug 2011

**Role:** Linux/ Unix Administrator

**Responsibilities:**

* Provided end to end support including monitoring, maintaining, and upgrading on customer website using cPanel, DNS, FTP, WHM.
* Administered user accounts and enforcing enhanced security passwords.
* Installed and Configured VMware ESXi Hypervisor on the Physical Hardware.
* Provide day-to-day administration and support, including maintenance, troubleshooting and technical support services for users throughout the organization.
* Worked on resolving production issues and documenting root cause analysis and updating the tickets using Jira.
* Setting up the DNS, HTTP, HTTPS, SSL Samba, customer applications such as Apache, Tomcat, PHP, MYSQL.
* Troubleshooting Linux network, security related issues, capturing packets using tools such as IP Tables, TCP wrappers.
* Resolved network & DNS related issues.
* Responsible for logging issue information in ticketing system and escalating in accordance with IT standards.

**Environment**: RHEL 5.x/4.x, SUSE 10, IBM/HP blade servers, Web sphere 5.x/6.x, Apache [ ] planet, Oracle [ ] Logical Volume Manager, VERITAS netback up 5.x/6.0, SAN Multi pathing (MPIO, HDLM, Power path), VM ESX