**SUMANTH RAJA GHANTA**

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**Cloud / DevOps Engineer**

Linux Administrator, Kubernetes Administrator (CKA), Terraform Associate, with 5+ years of deep technical experience with Jenkins, GitLab, Docker, Kubernetes, Ansible, AWS and Terraform, helping organizations instill Devops for the modern age.

**Professional Summary**

* Managed continuous Integration & deployment of an automobile applications using GitLab.
* Expertise skills in Automating, configuring, and deploying instances on Cloud environments and On-Premises Data centers. Experience in the areas of DevOps, CI/CD Pipeline, Build and release management, AWS/Azure, and Linux/Windows Administration.
* Worked in various environments like QA, DEV, TEST, PROD, UAT for various releases with designed strategies.
* Extensive experienced in installing, trouble shooting, upgrading, and configuring SUN **Solaris** 2.x,7,8, 9, 10 & 11 on **Sun**/**Oracle** servers and **RHEL** 4/5/6/7, HP-UX 10.x,11.x, **SUSE** 10/11/12 OS, Mail Server/ Proxy Server, and Windows Server 2016, 2012-R2, 2008-R2, 2003-R2.
* Experience in installation and configuration of **vCenter** 4.x/5.x/6.x, **vSphere** 4.0 (Infrastructure Virtualization suite) ESX 3.0/3.5, ESXi Server, Virtual Machines and **vSphere** Client.
* Experience on various webservers like Apache HTTPD, **Tomcat**, **Jetty**, **Nginx** and application servers like **IBM** WebSphere, **Glassfish**, **Wild2Fly**, Oracle **WebLogic**.
* Dealt with Linux Utilities like Network **Bonding**, **LVM**, **SSH**, FTP, AUTOFS, Quota Management, User Management, Process Management, Memory Management, and Text processing tools, **Log Management**, Package Management, Disk Management and **Swap** Partition/Files Management.
* Experience in developing and deploying Java applications using **Maven** and **Spring**. Monitoring, maintaining, and upgrading Java application servers and **MySQL** databases along with configuring replication.
* Experience with Application Life Cycle management tools like **JIRA**, mingle, Pivotal-Tracker.
* Extensively worked on **Hudson, Jenkins, TeamCity** and **Bamboo** for Continuous Integration and strong experience with integration of **Ant** and **Maven** Build Frameworks
* Implemented a Kubeﬂow/Kubernetes-based machine learning training and serving platform for a Fortune 100 manufacturer.

**Technical Skills**

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| Operating systems | RHEL-5/6/7, Fedora, SUSE, UNIX, SUN-Solaris 9/10/11 |
| Automation and Configuration Management Tools | Jenkins, Ansible, Docker, Kickstart, Terraform, Salt Stack |
| Cloud Services | AWS, GCP, Azure, OpenStack, Rack Space |
| Build Tools | Maven, Ant, Gradle, Docker, MS Build. |
| Application Servers | IBM WebSphere, Tomcat, JBoss, Oracle WebLogic. |
| Version control tools | GIT, GIT-lab, Bitbucket, GitHub, GitBucket, Subversion (SVN) |
| Database System | MS SQL Server, MySQL, MongoDB. |
| Web servers | Apache, Tomcat, JBOSS 4.x/5.x, Web Logic (8/9/10), Web Sphere4.0/5.0 |
| Scripting | JavaScript,Bash shell, Power shell. |
| Virtualization Technologies | VMware, Windows Hyper-V, Power VM, VirtualBox, Citrix Xen, VMware ESXi |
| Monitoring Tools | Nagios, CloudWatch, Splunk, ELK-Xpack, DataDog |
| Web Programming | HTML5, CSS, JavaScript, jQuery |

**WORK EXPERIENCE:**

**Client 1:**

**Professional Experience:**

**Role: Cloud / DevOps Engineer**

**Duration:**

* Automated the installs using **Jumpstart** and **Kickstart** and building post install **scripts** using **shell** **scripting** in **RHEL** **servers**.
* Experience in Amazon Web Services (AWS) provisioning and good knowledge of **AWS** services like **EC2**, **S3**, Glacier, **ELB** (**Load Balancers**), **RDS**, SNS, SWF, Ops Works, Auto scaling groups, Optimized Volumes, AZ VPC instances, LAMBDA and EBS etc.
* Operated build tools like **Gradle, Ant and Maven** for writing **Build. xml and POM. Xml**.
* Expertise in Installing, configuring, and administering **Jenkins** Continuous Integration tool on Linux servers along with adding/updating plugins such as **GIT, ANT, Maven,** Check style, Deploy to Container, Build Pipeline etc.
* Implemented continuous integration using Jenkins **master** and **slave** configuration. Configured security to Jenkins and added multiple nodes for continuous deployments.
* Integrated Docker container-based test infrastructure to **Jenkins** CI test flow and set up build environment integrating with Git and Jira to trigger builds using **Webhooks** and Slave Machines.
* Experience in Networking including the OSI LAYERS and protocols such as **TCP/IP, NIS, DNS, NFS**, **FTP**, **DHCP**, **HTTP, HTTPS, SFTP & SMTP**.
* Experience in performing operational routines using **MongoDB**. Also performed backups, security measures and restored backups using **MongoDB**.
* Experiences in using AppDynamics as application performance monitoring tool, installing Java and python server agents in the application environment.
* **Puppet** is used for Continuous Delivery. Managing of **CI/CD** process and delivered all application in rpms.
* Deployed Puppet, Puppet Dashboard and **Puppet DB** for configuration management to existing infrastructure.
* Used Puppet to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, Package.
* Implementing a Continuous Delivery framework using Puppet, **Bamboo**, and **OpenStack** in Linux environments.
* Administered Linux servers for several functions including managing Apache/Tomcat server, Mail server and MySQL databases in both development and production.
* Experienced in installation and configuration of Volume Management and file system through Veritas Volume Manager **(VVM)** and Logical Volume Manager **(LVM)** in Linux.
* Experience in Monitoring tools like **Nagios, Zabbix, SiteScope, AppDynamics**, **Splunk.**
* Have experience in Design, Development and Deployment of Java web components on servers like Apache, WebSphere, and **WebLogic**.
* Integrated **Java** and Angular based application to ELK **Elastic** **Search** tier via **Spring** 4 Restful Controllers communicating to a custom java utility wrapping the Jest API.

**Environment**: Red hat Linux 7.x, AWS, AZURE, Chef, puppet,Docker, Ansible, Jenkins, Kickstart, Jumpstart, Terraform, Kubernetes, ANT, Maven**,** Ruby, Shell, Load Balancers, WLST, Apache Tomcat 7.x, Virtualization, Configured plug-ins for Apache HTTP server 2.4, Nginx, LDAP, JDK1.7, XML, SVN, GitHub,Nagios, Splunk.

**Client 2:**

**Professional Experience:**

**Role: CI/CD Engineer**

**Duration:**

* Responsible for Creating Builds, Staging and deploying Software Content across multiple environments (**DEV, QA, Demo, Test, Staging, UAT and Production**).
* Designed and managed Build and Release cycle activities in Agile Methodologies. Developed build and deployment processes for Pre-production environments. Managed Sonatype **Nexus** an **enterprise-level package** management server.
* Administration of **Bamboo**. Implemented a Continuous delivery framework using Bamboo, Chef, Maven, and Oracle in Linux Environment.
* Experience in Installing, configuring, and maintaining **DB** servers, **LAMP** server and file sharing servers like **Samba, NFS, FTP** and **Web Sphere & Web Logic Application Servers.**
* Experienced in setting up Jobs for **Plugin Management, Build/Deploy Pipeline** setup and **User** management**.**
* Managed **GIT, Bitbucket** repositories for branching, merging, and tagging.
* Configured **GIT** with **Jenkins** and schedule jobs using **POLL SCM** option and integrated to automate the code checkout process. Wrote JUnit test cases for unit, integration, and functional tests, run automatically by **Jenkins** in the builds triggered by each push to **GIT.**
* Experience in integrating Unit Tests and Code Quality Analysis tools like **JUnit**, **PMD**, find bugs and check style.
* Used **Puppet** to manage Web Applications, Configuration Files, Database, and Packages.
* Installed and configured database agents to troubleshoot slow response times and excessive loads.
* Experienced in appdynamics server modules to analyze hardware metrics and service availability monitoring.
* Implemented Puppet **modules** for server housekeeping. Built a new CI pipeline. Testing and deployment automation with **Jenkins**, and Puppet.
* Used Puppet to automate Configuration management & Applications.
* Installed, Monitored, and configured orchestration tools like EKS
* Maintained build related scripts developed in shell for **Ant**/**Maven** builds. Created and modified build configuration files including **POM**.xml. Configured **Jenkins** to build **Java Code** using **Meta Case Software** and executed CI process on the **Java code** generated.
* Expertise in patching using Scripts.
* **Environment**: Red hat Linux 7.x, AWS, AZURE, Chef, puppet,Docker, Ansible, Jenkins, Kickstart, Jumpstart, Nexus, ANT, Maven**,** Ruby, Shell, Python, WebLogic Server 11g, Load Balancers, WLST, Apache Tomcat 7.x, Virtualization, Configured plug-ins for Apache HTTP server 2.4, LDAP, JDK1.7, XML, GitHub,Nagios, Splunk.

**Client 3:**

**Professional Experience:**

**Role: UNIX Support Administrator**

**Duration:**

* Installing **UNIX, RHEL, SUSE** on multiple Client machines at a time through DHCP/TFTP PXE Network Boot server.
* Configured and managed Apache **HTTP** Server on **Linux** for web-based applications using **REST/SOAP**, Apache, and WebSphere.
* Expertise in virtualization using **VMware ESX server**, **VMware Workstation**, **Hyper-V, VirtualBox** and **XEN, RED HAT** enterprise virtualization suite.
* Deployed a **LAMP** server through CLI and migrated the **MySQL** database and **PHP** code from Windows Server 2008 to RHEL.
* Experience in Creating Disk Partitions**,** Logical Volume Manager **(LVM)** using **VERITAS**.
* Experience in handling load balancer implementations like bonding multiple interfaces into single bond in case of overload on **LAN** devices.
* Performed Administrative and Management tasks using shell Scripts written in **Bash, Python, C-Shell** and **CRON** tab in**Linux** to automate the tasks.
* Performed Scheduled backups using backup management software’s like **Legato, Net backup, TSM, VERITAS, Omni back** etc.
* Experience in designing and maintaining dashboards using **Splunk** or **Nagios Enterprise Monitoring** tools which are used for Resource Monitoring/Network Monitoring/Log Trace Monitoring.

**Environment**: Linux (RHEL 5.x/6.x), Solaris 9/10/11, RedHat Satellite Server, Apache Tomcat, Kickstart, Bonding, RAID, WebSphere, SQL, Agile, WebLogic, Subversion, Samba, NFS, FTP, LVM, Tomcat, Apache, bash, python.