[](http://www.linkedin.com/in/syamsundarreddy-gali-a94a6a154)**Naveen Pittala,**

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**Sr.Cloud DevOps Engineer**

| PROFESSIONAL SUMMARY |
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* Over 7+ Years of experience in IT industry comprising of Development, System Administration, Infrastructure Management, Software Configuration Management (SCM) experience includes Build/Release Management implementing duties such as monitoring, automation, deployment, support and troubleshooting along with Amazon Web Services and Cloud Implementation.
* Experience in **windows** and **Linux** based operating systems for troubleshooting.
* Worked on **SDLC** Methodologies like **Agile, Waterfall**. Organized and facilitated sprint planning, daily stand-up meetings, reviews, retrospectives, release planning, demos and other Scrum-related meetings.
* Extensive experience in Server infrastructure development on **AWS** Cloud by using AWS services like **EC2, ECS, EBS, ELB, Lambda, S3, AMI, Auto Scaling, RDS, Glacier, DynamoDB, VPC, Route53, Cloud Watch, Cloud Formation, Cloud Trail, OPS Work, Security Groups. IAM, Certificate Manager, SNS, AWS JAVA SDK** in a scalable production environment.
* Experience in configuring, deployment and support of cloud services including **Amazon Web Services (AWS), OpenStack and Azure.** Experience in writing **Power Shell** script to do Patching, Imaging and Deployments in **Azure**.
* Provisioning **IAAS** on **Azure** and **AWS** clouds through automated scripts, PowerShell **and AWS CLI**.
* Used **Kubernetes** an opensource platform for automating deployment, scaling, and operations of application containers across clusters of hosts, providing container centric infrastructure.
* Orchestration of **Docker** images and containers using **Kubernetes** by creating whole master and node.
* Managed **Servers** on the Amazon Web Services (**AWS)** platform using **Chef** Configuration management tools.
* Experienced in Cloud automation using **AWS CloudFormation templates, Terraform, Ruby, Chef.**
* Experience in dealing with Windows **Azure** **IaaS** - Virtual Networks, Virtual Machines, **Cloud Services**, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.
* Experience with **Docker containers and orchestration** platforms such as **ECS, Kubernetes, Mesos and Swarm.**
* Expertise in Red Hat Satellite Server installation, Red Hat Linux **Kickstart**, System Imager and Jumpstart.
* Experience writing **Cookbooks, Recipes** in **Chef** for configuring Infrastructure. Extensively experienced in using **Build** and **Automation** tools like **Ant**, **Maven.**
* Experienced in deploying the code to Jboss, Tomcat and Apache servers through the DevOps pipeline including tools like **GitHub, Jenkins, Artifactory**.
* Experience in Importing data from various sources to the Cassandra cluster using Java API's
* Implemented DevOps effectively with Microsoft Azure to string together API calls, redirection URLs, Web hooks and best practices just to build shoplift apps with the .Net Library and Asp.Net using C#.
* Created **SCM Process, Policies, Procedures** and **Release Notes** to follow Development and allow **SQA** teams to **Release** or **deploy** highest quality product for the enterprise.
* Hands on experience on working with **Amazon EMR** framework transferring data to EC2 server.
* Expert in deploying the code through web application servers like **Web Sphere**, **Web Logic**, **Web Hooks, Tomcat and JBOSS.**
* Used scripting languages like **Power Shell, Ruby, and Python, Perl, Bash**.
* Experience on Virtualization technologies like **VMware, Vagrant**. Worked with **Ansible** in conjunction with **Vagrant** in a DevOps environment.
* Experience in logging, monitoring and maintaining application/servers using tools such as **Nagios, Zabbix, Splunk**.
* Experience working on **Docker** hub, creating **Docker** images and handling multiple images primarily for middleware installations and domain configuration. **Docker** Containers for Branching and deployed using **Elastic Beanstalk.** Experienced in setting up **TERRAFORM** continuous build integration system.
* Experience in Querying **RDBMS** such as **Oracle, DB2, MY SQL** and **SQL** Server by using **SQL** for data integrity.
* Hands-on Experience of the **J2EE** Framework and its components as related to Java build, test, deployment and release management initiatives. Deployed **java** application in **Agile** CI environment.
* Thorough understanding of networking **TCP/IP, DNS, FTP, SSH, SCP and web coverage services** (WCS)
* Experienced in deployment of applications on Apache Web server, **Nginx** web servers and Application Servers such as **Tomcat, Oracle web logic sever**.
* Experience with different flavors of **LINUX** RHEL, CentOS, Oracle **LINUX**, Debian, and Ubuntu. Installed and configured Red Hat **LINUX** Kickstart and Solaris jumpstart Servers.
* Experience in administering and configuring **Artifactory and Nexus** Repository Manager for **Maven** builds.
* Expertise in using build tools like **MAVEN** for the building of deployable artifacts such as **war, jar**&**ear** from source code. Worked with Bug Tracking Tools like **Remedy**, **Jira, Service now** and **Clear Quest**.
* Experience in **Load balancing, DNS, SSL** and **firewalls**. In a secure **LDAP** environment, worked on designing replication architecture and configured **LDAP.**
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.

| Technical Skills |
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| Scripting /Languages | Shell scripting, Perl, Python, Ruby, Bash. Java, J2EE, HTML, CSS,XML. |
| Cloud Platforms | Amazon web services (AWS). Azure, Pivotal Cloud Foundry(PCF). |
| Build Tools | MAVEN, MS build, Gradle. |
| Configuration Management and Deployment Automation tools | Chef, Puppet, Ansible, Salt Stack. |
| Containers | Docker, Kubernetes, AWS ECS. |
| CI Tools | Jenkins, Bamboo, Concourse pipeline. |
| Operating Systems | Windows, Linux(RHEL Centos, Ubuntu, Debian, Red Hat), Unix, Sun Solaris, Amazon Linux AMI and Mac. |
| Repository Management Tools. | Artifactory, Nexus |
| Version Control | **CVS, Tortoise SVN, GIT, GITHUB, Bitbucket, ClearCase** |
| Tracking/Monitoring tools | Service Now, Bamboo, JIRA Bugzilla, Nagios, Cloud Watch, Splunk. |
| **Application/Web Server** | Tomcat, HTTP Server, Web Logic, JBoss, Nginx,IIS. |
| Databases | Oracle, DB2, MySQL, MongoDB, AWS RDS, DynamoDB |
| Networking Protocols | DHCP, DNS, SMTP, Ethernet, Netstat, NFS, NIS, Nslookup, RIP, TCP/IP, and FTP, TFTP, TCP/IP, SSH, SOAP, SNMP, DNS, TELENT, HTTP and HTTPS, CLUSTERING, VPN, FIREWALL, SUBNETS |

**Certifications:-**

* AWS Certified Devloper Associate (LJMFKFW2K21QQHG1)
* Certified Basic Chef Fluency Badge

| WORK EXPERIENCE |
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**Vanguard, Malvern, PA. July 2019 to present**

**AWS SR Platform Engineer**

**Responsibilities:**

* Assisting in bringing up the platform resources (AWS and On-prem PCF) and other applications as a part of the TR (technology recovery) testing.
* Responsible for creating change records and Incident tickets to resolve any platform issues to maintain the platform in healthy state using Service Now.
* Monitoring the various services and applications that deployed in PCF both in on-Prem and AWS cloud by using Splunk.
* Worked on Pivotal Gemfire (Distributed/In-memory Cache) installation, automation and application integration.
* Worked on Active-passive Gemfire environment to follow blue-green deployments and provide zero downtime to the clients.
* Created Gemfire performance dashboards using Splunk and alerts to check the status of the Gemfire clusters, cache servers, and locators.
* Designing, implementing, and maintaining ECS clusters for containerized applications, ensuring high availability and scalability.
* Configuring and managing AWS resources such as EC2 instances, VPCs, IAM roles, and security groups to support ECS deployments.
* Automating deployment processes using CI/CD pipelines (e.g., Bamboo, Bitbucket CI/CD) and infrastructure-as-code tools (e.g., CloudFormation).
* Optimizing ECS task definitions, container images, and networking configurations for performance and cost efficiency.
* Monitor ECS clusters and applications using AWS CloudWatch, Prometheus, Grafana, or similar tools and implement alerting and logging solutions.
* Troubleshooting issues related to container orchestration, networking, security, and performance.
* Supporting Application teams to integrate the available Gemfire cluster for their application by doing delta elevation through bamboo in both AWS & on-prem.
* Developed a script that bounces the applications that are using Gemfire with zero down time and enabled parallel jobs in Bamboo for each ORG in our platform.
* Creating alerts and Ecosystem dashboards in SPLUNK for the developers to analyze the failures and take necessary step actions to avoid outage of the services.
* Working on Bamboo/ Bitbucket for Continuous Integration/Continuous Delivery which triggers the changes in Bitbucket and deploys in INT, TEST, PRF regions.
* Involved in designing and deploying services utilizing the AWS stack including EC2, EBS, S3, VPC, ELB, Auto Scaling, Cloud Formation, Cloud watch, Route53 and building High availability, Fault Tolerant, reliability platform.
* Installed, upgraded and supported Pivotal Cloud Foundry in multiple datacenters, using Bosh, Concourse and OpsMan.
* Creating Splunk dashboards and alerts to monitor the trend and health of the platform that has applications over 500.
* Supporting RHEL patching for Production Gemfire servers and doing health checks of the locators, cache servers, and WAN gateway distribution DCT regions(on-premesis).
* Using Splunk to monitor the platform level and application-level health and take actions to re-mediate issues in both on-prem and Cloud.
* Using Bitbucket for source control management, and code reviews and maintain versions of the source code.
* Providing support for Pivotal Cloud Foundry so that clients can have better experience with their applications runtime environment.
* Providing support for GemFire as a caching service so that clients can retrieve data faster
* Managing infrastructure hosted on AWS, and administrating AWS services such as EC2, ELB, RDS, Route53, cloud formation, cloud watch, IAM, and S3.
* Using Bamboo, CI/CD pipeline, to build, test, and deploy applications, and platforms such as PCF, and Gem-Fire.
* Responsible for deploying and monitoring Microservices on various platforms like AWS ECS, EKS(Kubernetes) and also developing Kubernetes Pod definitions, Deployment’s and used Helm charts to version control complete deployment strategies.
* Responsible for identifying the cost reducing methods by creating dashboards to analyze the cost across organization.
* Installing and upgrading PCF tiles like BOSH director, PAS, Health-watch, Isolation segments, PCF-metrics, my-SQL, app-dynamics platform, and doing applications performance testing.
* Creating cloud health dashboards and analyzing the opportunities to save cost on AWS resources and comparing the reports on a weekly basis.

**Vanguard, Malvern, PA Aug 2018 to July 2019**

**Sr.Cloud DevOps Engineer**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application developed using **AGILE** methodology.
* Managed Amazon Web Services like EC2, S3 bucket, RDS, EBS, ELB, Auto-Scaling, AMI, IAM through **AWS** Console and API Integration with Chef.
* Performed POC using Attunity Replicate Tool for migrating Data from Oracle DBA to AWS S3 buckets and then to HIVE on EMR cluster.
* Developed scripts for monitoring Control-M job changes and automated the process by scheduling the scripting using windows task scheduler.
* Implemented AWS service Catalog for the query clusters, which business team can spin the cluster and run the installed applications on the EMR clusters.
* Enabled web Ui’s for various applications like Ganglia, Tez, Jupiter hub, hive, hue, presto to visualize the installed applications on EMR clusters.
* Worked on analyzing, writing **Hadoop** Map Reduce jobs using **Java API, Pig and Hive** and deployed data from various sources into **HDFS** and building reports using **Tableau**.
* Built/managed large-scale Storm, Kafka and Cassandra clusters in AWS and OpenStack labs.
* Involved in capacity planning and requirements gathering for multi datacenter Cassandra cluster.
* Worked with Custom **AMI's**, created AMI tags modified AMI permissions. Configuring and Networking of **Virtual Private Cloud (VPC),** Developed **Cloud Formation scripts** to automate **EC2 instances**.
* Created **Security Groups**, configuring Inbound /Outbound rules, creating and importing **Key Pairs**. Created **Cloud Watch** alerts for instances and using them in **Auto-scaling** launch configurations.
* **Bootstrapping** instances using **chef** and integrating with **auto scaling**. Written **Chef Recipes** to automate our build/deployment process and do an overall process improvement to any manual processes and managed the configurations of multiple **servers** using **Chef**.
* Wrote **Ansible** Playbooks with **Python SSH** as the Wrapper to Manage Configurations of **AWS Nodes** and **Test Playbooks** on AWS instances using **Python**. Run **Ansible** Scripts to provision dev servers.
* Automated configuration management and deployments using **Ansible playbooks** and **yml** for resource declaration. And creating roles and updating **Playbooks** to provision servers by using **Ansible**. **AEM** environment and developed **Ansible** scripts to automate environment setup/configuration along with all the dependencies.
* Exported **LDAP** databases to LDIF files and imported databases from LDIF files using Admin Console and command line utilities.
* Created **S3 bucket, ELB, IAM** by using terraform. And created stacks in AWS from the scratch using **Terraform** and updated the **Terraform** as per the organizations requirement on a regular basis.
* Built Elastic search, Log stash and Kibana (**ELK**) for centralized logging and then store logs and metrics into **S3** bucket using **Lambda** function.
* Used **MAVEN** as a build tools on java projects for the development of build artifacts on the source code. Implemented **Continuous Delivery** framework using **Jenkins, Maven, Chef & Nexus** in **Linux** environment. And written Maven **pom.xml** build script.
* Developed **Chef** Cookbooks to install and configure **Apache Tomcat**, **Jenkins**, **Run deck** and deployment automation. Designing and implementing **CI** (Continuous Integration) system: by configuring **Jenkins** servers, **Jenkins** nodes.
* Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process. Managed the maven artifacts using **Nexus** repository and J**Frog Artifactory** and build these Artifactory through Jenkins for continuous integration and continuous Deployment in Jenkins server build.

**Environment:Java/J2EE,Terraform,Apache Tomcat, Jenkins, Maven, VMware, Chef, Puppet, ansible, kickstart, Azure, Bamboo, Jira,Hadoop ,Pig, Hive, AEM,SVN, GIT ,Kubernetes, Splunk and Nagios Bash ,Perl, Python Shell Scripting , Nexus, Amazon web services(AWS), Jira, Nagios, SQL, MongoDB, Cassandra, Windows, Servers, Tableau Desktop 9.x,10.x,Tableau Server 9.x,10.x.**

**Veridic solutions LLC, Atlanta, GA**  **July 2016 to July 2018**

**Cloud DevOps Engineer**

**Responsibilities:**

* Documented all build and release process related items. Level one support for all the build and deploy issues encounter during the build process.
* Implemented **Che**f to deploy the **builds** for **Dev**, **QA** and **production.** Involved in **Chef** and **Puppet** for Deployment on Multiple platforms. Build Applications for **java** environments using **Maven** and **Puppet**, **chef**.
* Participate in Enterprise Change Management process (**ECM**) to install/upgrade patches for different applications running on production and test servers.
* Experience in deploying azure ad connect to synchronize on premise **Active Directory** accounts to Azure AD
* Deployed **LAMP** based applications in **AWS** environment, including provisioning **MYSQL-RDS** and establish connectivity between EC2 instance and **MySQL-RDS** via security groups.
* Implemented **AWS** solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes** and **EC2** instances
* Setting up **Splunk**, Sumo Logic and New relic monitoring for **AWS** and **Azure** Cloud environments. And Involved in Upgrade of **Bamboo** & **Artifactory** Server and use of AWS, Azure Cloud for issues.
* Worked on Microsoft **Azure**(Public) Cloud to provide IaaS support to client. Create Virtual Machines through **Power Shell** Script and **Azure** Portal.
* Manage **AWS** EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for **GIT** and **Puppet**.
* Created **Run list** in **chef** for each application to help the release management team for successful deployments.
* Selecting the appropriate **Azure** service based on compute, data or security requirements and leveraging **Azure** SDKs to interact with **Azure** services from your application.
* Configured multiple **WebLogic** Domains which includes Node Managers and Managed Servers in multifarious environments in **AZURE**
* Wrote Lambda functions in python for **AWS,AZURE** which invokes python scripts to perform various transformations and analytics on large data sets in **EMR** clusters.
* Collaborate in the automation of AWS infrastructure via **terraform, ansible, and Jenkins** software and services configuration via **chef cookbooks**.
* Used Puppet to deploy **ELK** for automating CD and configured Slave Nodes and deployment failure reporting. Created and updated **Puppet** manifests and modules, files, and packages stored in the **GIT** repository.
* Used **Ansible playbooks** to setup Continuous Delivery pipeline. Worked with BI teams in generating the reports and designing ETL workflows on Tableau
* Design **EC2** instance architecture to meet high availability application architecture and security parameter.
* Automated Virtual Infrastructure using **Power Shell**. Designed **Puppet** Modules to manage configurations and automate installation process.
* Implementing Test Driven Development (TDD) approach for writing **Chef** Cookbook using Test-kitchen, Vagrant.Created Jobs in **Jenkins** and set up global permission and scheduling jobs in pole **SCM.**
* Configured **Jenkins** as a CI engine to build and promote applications to QA, UAT and Staging to Linux environments.
* Performing standard health checks for all the supported servers on daily basis and ensuring awareness of unsatisfactory results to avoid business impact which may occur due to high memory, CPU and disk space usage.
* Document release metrics, software configuration process. Used **Maven** scripts to build the source code.Supported and helped to create Dynamic Views and Snapshot views for end users.
* Implemented & maintained the **Branching** and build/release strategies utilizing **GIT**.Used tracking tool **JIRA**and triaged the issues and maintained bugs using **JIRA** tool.
* Developed and supported the Red Hat Enterprise Linux based infrastructure in the cloud environment.
* Responsible for defining **Branching & Merging** strategy, **check-in policies, improving code quality, automated gated Check-ins**, defining backup and archival plans.
* Management of **Red hat** Linux user accounts, groups, directories and file permissions.
* Creating the file systems using Red Hat volume manager and performing the health check on regular basis for all Linux servers.

**Environment**:**Java, Eclipse, Tomcat, Apache, Jenkins, Ruby, Puppet, JIRA, VMware, Maven, Git, Azure, Hadoop, AWS, Windows, Ruby, Chef, Power shell, GIT, Oracle 11g, Windows and LINUX, Tableau Desktop 9.x,Tableau Server 8.x,9.x.**