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| Sravani M  AWS DevOps Engineer  Sravanim0730@gmail.com  689-208-9207 |  |

**PROFESSIONAL SUMMARY:**

* Sr. Cloud/DevOps engineer with **8 years** of IT experience in **DevOps Engineering, Cloud,** **LINUX**, UNIX, and windows system administrator, **Build** **and Release Management,** with **application configurations, code compilation, packaging, building, automating, managing, and releasing** code from one environment to other and deploying to servers. Worked on server-based operating system with major focus on **AWS, Azure** and **GCP** Data center migration, Virtualization, **CI/CD** pipeline management, which includes **Troubleshooting** and **performance,** issues.
* 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)
* Experience on migrating applications using **Amazon Web Services, Microsoft Azure**.
* Extensive experience with **Continuous Integration** Tools **(Jenkins, Hudson, Bamboo)**
* Designed, implemented and deployed Cloud Based Applications by using the **Amazon EC2, VPC, Cloud Watch, S3, Cloud Front, SES, SNS, RDS, EBS, Cloud Formation, Cloud Search, Route53, IAM.**
* Experience in build and deployment automation through tools like **Jenkins, Puppet and GIT**. Worked on Software Configuration Management and **DevOps**.
* Responsible in designing and deploying automated processes in a **LAMP** environment.
* Administered and Implemented CI tools like **Concourse**, **Hudson/Jenkins**, **Bamboo, Build forge**, **Visual Studio,** **Team Foundation Server (TFS)**for automated builds.
* Experienced in installation, configuration, usage and management on **AWS** (Amazon Web Services), **Jenkins and GIT** for application servers.
* Deployed **Docker Engines** in Virtualized Platforms for containerization of multiple apps.
* Implemented a **Continuous Delivery** pipeline with **Docker, Jenkins** and **GitHub** and **AWS AMI’s**
* Experience with **Virtualization** technologies like installing, configuring, **VMware vSphere**. Creation, management, administration and maintenance of virtual servers and clients.
* Experience in Implementing Server Virtualization using **VMware** for **Redhat Linux**
* Experience in working with configuration Management tool - **Ansible,** has setup **Ansible** projects and configured the playbooks for the **microservices**.
* Experienced in cloud provisioning tools such as **Terraform**and **CloudFormation**.
* Experienced in Automating **Datadog** Dashboards with the stack through **Terraform** Scripts.
* Good understanding of OpenShift platform in managing Docker containers Kubernetes Clusters.
* Installed and configured an automated tool **Chef, Puppet, Ansible** that included the installation and configuration of the master, agent nodes and an admin control workstation**.**
* Experience working with **Puppet Enterprise and Puppet Open Source** and did Integration of **Puppet with Apache and Passenger**.
* Experienced in Setup the **Ansible Infrastructure** for the environment for software configurations management.
* Managed On-site **OS/Applications/Services/Packages** using **Chef** as well as **AWS** for **EC2/S3/Route53 & ELB** with **Chef Cookbooks.**
* **Configuring, Automating and Deploying** **Chef, Puppet and Ansible** for configuration management to existing Infrastructure.
* Design and build automated code deployment systems that simplify development work using tools such as **Docker, Jenkins.**
* Expertise in using **Nagios, Grafana and Splunk for Monitoring/Network Monitoring/Log Trace Monitoring.**
* Implemented workflow actions to drive **troubleshooting** across multiple event types in **Splunk.**
* Expertise in Integrating **GIT** into **Jenkins** to automate the code check-out process
* Installed **Fast-lane** for **GIT** Repository, Setup SCM Polling for Immediate Build with **Gradle** and **Gradle** Repository (**Nexus** Artifactory) and Deployed the EARs and WARs in **TOMCAT** Application server using **ANT** script as a CI/CD Process.
* Expertise in developing applications in **Python language** for multiple platforms **terraform**.
* Expertise in Scripting with either **Bash, Shell, Perl, Ruby, Python programming** for Automation of Activities and builds, deployment of Java applications on bare servers or Middleware tools.
* Automated Regular AWS tasks like snapshots creation using **Python** scripts.
* Hands- on experience in developing web applications using **Python on Linux and UNIX platform.**
* Automated Regular AWS tasks like snapshots creation using **Python** scripts.
* Installation, Configuration and Management of **RDBMS and NoSql** tools such as **SQL Server 2008/2012/2014, MySQL, DB2, PostgreSQL, MongoDB and Cassandra.**
* **Conducted performance testing of Apache** and **Tomcat** management services.
* Installed, upgraded and configured **RedHat Linux 5.x and 6.x** using **kickstart** installation and **SUSE** Linux Servers manually.
* Day to day administration of the Development environment and Production and Test environment systems. 24x7 **on-call** support
* Day to day job included but not limited to **handling Tickets, Monitoring, Troubleshooting and maintenance**
* Strong desire to learn new technologies with positive attitude**.**

**TECHNICAL SKILLS:**

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| Cloud computing | AWS, Microsoft Azure, Google Cloud, Rackspace, OpenStack |
| Build/Automation Tools | Ansible, Chef, Puppet, SaltStack |
| Scripting Languages | Python, Perl, Shell, BASH, Ruby |
| Operating Systems | Ubuntu, RedHat, Linux, Windows, Solaris 10 Administration |
| Web/App Servers | HTTP, Apache, Nginx, Web Logic, Apache Tomcat, Jboss, Web Sphere |
| Networking | DNS, DHCP, TCP/IP, SMTP, LDAP |
| Build Tools | ANT, Maven, Jenkins, TeamCity, UDeploy |
| Bug Tracking Tools | Service NOW, JIRA, Remedy, HP ALM, TFS |
| Database Servers | MYSQL Server, Oracle, MONGODB, PostgreSQL, Cassandra |
| Monitoring Tools | Nagios, Splunk, ELK Stack |
| Version control tools | Git, GitHub, Subversion, SVN |
| Database | Oracle, DB2, MySQL |

**PROFESSIONAL EXPERIENCE:**

**Ameris Bank- Tampa, FL Feb 2019 – Till Date**

**DevOps Engineer / SRE**

* Created and maintained several build definitions and publish profiles to handle automated builds in an **Agile/SCRUM** environment.
* Designed and deployed **AWS** Solutions using **EC2, S3**, Elastic Load balancer (ELB), auto scaling groups.
* Leveraged **AWS** cloud services such as **EC2**. Auto scaling and **VPC** to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Directed at enhancing volumes and **EC2** instances and use these to create VPC instances and Worked with **AWS**, IAM to generate new accounts, assign roles and groups. Created alarms and notifications for **EC2** instances using **Cloud Watch** in case of extreme situations.
* Implemented **Chef** Recipes for Deployment on build for internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon **EC2** instances.
* Evaluating testing of **Chef** Recipes – Concept of Test Driven Development for Infrastructure as a Code.
* Developed build and deployment scripts using **ANT** and **MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Used **Hudson/Jenkins** for automating Builds and Automating Deployments
* Used various plug-ins to extend the base functionality of **Hudson/Jenkins** to deploy, integrate tests and display reports
* Automate Continuous **Build** and **Deploy** Scripts for Hudson/Jenkins Continuous Integration tool.
* Administer and Maintain Source Code Repositories including **GIT**, **Subversion**.
* Automate **Datadog** Integrations through Ansible Scripts for QA, Regression and Prod environments.
* Integrate **Datadog** in Jenkins pipeline and Automate the Dashboard and Alerts.
* Created multiple **terraform** modules to manage configurations, applications, services and automate installation process for AWS instances.
* Managed deployment automation using packer-Docker, Terraform to automate the system operations.
* Developed **terraform** scripts from scratch for building Dev, Staging, Prod and DR environments.
* Used **Jenkins** to perform automated Builds and Deployments.
* Expert in User Management and Plugin Management for **Jenkins**.
* Build, configured and support Application team environments.
* Implemented automation tools such as **Puppet**, **Chef, Ansible** and DevOps.
* Designed and implemented fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins **Nodes/Agent, Chef, Puppet, Ansible.**
* Managed build process and Jenkins document configuration and deployment instructions.
* Installed and configured concourse. Performed manual and Automatic pipeline process in concourse and executed the code on the fly.
* Configured Jenkins for integrated source control, builds, testing and deployment. Create many build scripts to enhance the process and automate the manual jobs.
* Maintained automated build systems like **ANT** and **MAVEN** and implement new features or scripts for the build system.
* Installed Fast-lane for **GIT** Repository, Setup **SCM** Polling for Immediate Build with Gradle and Gradle Repository (Nexus Artifactory) and Deployed the **EARs** and **WARs** in TOMCAT Application server using **ANT** script as a **CI/CD** Process.
* Installed and configured **splunk** for log monitoring and also forwarded system stats to **splunk** indexer, created dashboards and alerts using this data.
* Responsible for design and maintenance of the **GIT** repositories and the access control strategies.
* Merged release branches to the trunk after the production release and resolved the conflicts rose during the merge in **GIT**.
* Setup monitoring stack using **Grafana** for application metrics.
* Helping development & build teams in the creation and execution of build and releases.
* Used Jenkins and pipelines to drive all microservices builds out to the **Docker** registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Written scripts in **Python** to automate log rotation of multiple logs from web servers.
* Involved in writing **python and shell scripts** for compilation and deployment process.
* Building/Maintaining Docker container clusters managed by **Kubernetes, Linux, Bash, GIT, Docker**. Utilized Kubernetes and docker for the runtime environment of the CI/CD system to build and test deploy.
* Assisted in the identification and development of metrics to track progress of builds, release packages, deployment processes, system readiness, and process adherence.
* Owned Release to Production Process, Gathered approvals, signoffs from stakeholders and QAs before going to **PROD**.
* Documented the entire **build** and **release** engineering process and provided on call support to customers when needed.
* Monitor and administer the automated build and continuous integration process to ensure correct build execution, and facilitate resolution of build failures.

**Environment:** AWS, VPC, subnets, EC2 instances, ELB, Security Groups. Concourse, Jenkins, Docker, Docker containers, Groovy, Ansible, YAML scripting, Chef, Ruby Scripts, Python Scripts, Perl Scripts, Shell Scripts, GIT Repositories, JIRA, Apache and MySQL database, Apache, Tomcat.

**CVS Health – Richardson, TX DEC 2016 – Feb 2019**

**Cloud/Build and Release Engineer**

**Responsibilities:**

* Plan, deploy, monitor, and maintain Amazon **AWS** cloud infrastructure consisting of multiple **EC2** nodes and **VMWare** are VM's as required in the environment and worked on application deployment and data migration on **AWS (Cloud formation, Cloud Front).**
* Involved in designing and deploying a multitude applications utilizing almost all the **AWS** stack (Including **EC2, S3, RDS, EBS, ELB, IAM**) focusing on **high-availability, fault tolerance** and **auto-scaling** in **AWS Cloud formation.**
* Involved in improvement of **CI/CD (Continuous Integration /Continuous Delivery)** Software Release Management strategies for various applications.
* Developed and implemented **Software Release Management** strategies for various applications according to the agile process.
* Installed and configured **Hudson/Jenkins** for Automating Deployments and providing an automation solution.
* Integrated Subversion into **Hudson/Jenkins** to automate the code check-out process
* Involved in conversion of the source code from the **SVN** to **GIT**. Worked closely with other CM teams, which was migrating from **SVN** to **GIT**. Helped them in the CM Planning and Build/Deploy processes.
* Created the branches in **GIT** to implement the parallel development process.
* Managing **GIT** version control system in creating branches, tags, merge, resolving conflicts
* Integrated **GIT** into Jenkins to automate the code check-out process
* Used the continuous integration tool **Jenkins** to automate the daily processes.
* Installed **Jenkins**/Plugins for **GIT** Repository, Setup SCM Polling for Immediate Build with **Maven** and **Maven** Repository (**Nexus** Artifactory) and Deployed the EARs and WARs in **TOMCAT** Application server using **ANT** script as a CI/CD Process.
* Used **ANT** and **MAVEN** as build tools on Java projects for the development of build artifacts on the source code. Develop and maintain **ANT** (build.xml) and **Maven** (pom.xml) scripts
* Enabled Continuous Delivery through Deployment into several environments of Development, Test and Production using Maven and **SonarQube**
* Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integration environment and also automated the whole process.
* Worked on Configuration Management Tool **Chef**& created **Chef** Cookbooks using recipes to automate system operations. Server automation with **Chef** and used tools like **Maven** for deployment and build management.
* Implemented automated local user provisioning in instances created in Open Stack cloud through **Chef** Recipes.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to **Chef**-server.
* Managed On-site OS/Applications/Services/ Packages using **Chef** as well as **AWS** for **EC2/S3&ELB** with **Chef** Cookbooks.
* Setting up the new build environment for various products in Linux environment implemented the Release practice and responsible for pushing builds into **DEV/ QA / UAT**.
* Upgraded and Migrated to **JIRA** from Clear Quest and Implemented JIRA with **MAVEN** release plug-in for tracking bugs and defects.
* Regularly monitoring application server instances using **Nagios, Dynatrace**.
* Primary responsibilities include Build and Deployment of the java applications into different environments like Dev, INT, QA and PROD.

**Environment**: Redhat Linux 5 /6, AWS, Jenkins, GIT, SVN, CI/CD, JIRA, MAVEN, ANT, CHEF, crontab, Nagios, Dynatrace, Tomcat Application Server, apache web servers, IIS, Apache, JBOSS.

**Spirit Airlines- Miramar, FL Oct 2015 – Nov 2016**

**DevOps Engineer**

**Responsibilities:**

* Responsible for building out and improving the reliability and performance of cloud applications and Cloud infrastructure deployed on **Amazon Web Services.**
* Developed environments of different applications on AWS by provisioning on EC2 instances using **Ansible** and **Terraform**.
* Writing **Ansible** Playbooks with **Python** SSH as the Wrapper to Manage Configurations of AWS Nodes and test Playbooks on **AWS** instances using **Python**.
* Designed **AWS** CFTs to create custom sized **VPC, subnets, NAT** to ensure successful deployment of Web applications and database templates.
* Created business specific **VPCs, and Security Gateways and AWS Security** groups to enable firewall.
* Developed branching strategy within **GitHub** and created release version of the application which is deployable to hosted environments including production
* Installed and implemented **Ansible** configuration management system to manage web applications, environments configuration files and users.
* Deployed **EC2** Instance, adding (EBS) block level storage volume to increase the availability of the website.
* Implemented **AWS Code Pipeline** and created CFT **JSON** templates in **Terraform** for infrastructure as code.
* Experience in Setting up the build and deployment automation for **Terraform** scripts using Jenkins
* Managed, scaled and deployed containerized applications using **Kubernetes**.

**Environment**: Amazon Web Services, EC2, Kubernetes, Terraform, Ansible, Python, GitHub, Jenkins

**STAR Health Insurance- Hyderabad, IND May 2014 – Apr 2015**

**Linux Administrator**

**Responsibilities:**

* Worked on user accounts, removed users, lock/unlock users in Linux and maintained **Linux file system** and Support **Red Hat Enterprise** Linux Servers and configurations plus reporting and monitoring. Installation and configuration of Red Hat Linux on new server builds as well as during the upgrade.
* Implemented Logical volume manager (**LVM),** creating disk partitions, setting up file systems and mounting the file systems and unmounting them.
* Worked on Packet management installing, updating and removing different packages using **RPM** and used **YUM** to update specific packages.
* Experience in networking knowledge in analyzing, designing, implementing Switches, Routers, Firewalls, DNS client, DHCP client, and NFS client.
* Worked on writing scripts for automation, and monitoring using **Shell (Power, bash, C and Ksh), Python and Perl scripts**
* Implemented configuration and maintenance of common Linux services such as **Tomcat, Apache, MySQL, NFS, FTP, Postfix, LDAP, DHCP, DNS BIND, HTTP, HTTPS, SSH, IP Tables** and **Firewall** etc.
* Daily monitoring and response for Linux servers, including application processes, file system alerts, system faults.
* Implemented **ESXi 5.x servers using vSphere** Update Manager and VM Tools through manual updates. Managed hosts using **VMware** Web Client.
* Participated in the release cycle of the product, which involves environments like **Development, QA, UAT** and **Production.**

**Education:**

* Bachelors Degree in Information & Technology – 2014 – JNTU – Hyderabad.