**Srinivas G**

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**Overview Summary:**

* With **9+** year’s experience as a **Build/Release Engineer/DevOps engineer** in coordinating and managing various product software configurations, implementing Continuous Integration and Continuous Delivery methodologies.
* Strong believer of **DevOps** Methodologies and looking towards a core **DevOps** engineer position, who can bring an end to end work flow of Continuous Integration, Continuous Delivery and Continuous Deployment process for an organization.
* Implemented configuration management and version control on **chef** cookbooks implementing an “Infrastructure as code” methodology to automate build and deployment operations tasks.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing directory structures, managing containers.
* **Jenkins** Expert with hands on all areas of Jenkins administration, backups, plug-in, security, performance and role based user access.
* Performed integration of Code Quality Analysis Techniques like Check styles, Find Bugs, JUnit, with CI tools like **Hudson/Jenkins**.
* Administered and maintained **Jenkins** Master for over 50+ slaves serving more than 20 Project teams and 40+ developers.
* Experience in implementing Configuration Management tools like **Chef, Puppet, and Ansible**.
* Good understanding in managing **Docker** containers and **Kubernetes** Clusters.
* Expertise in various **GIT** branching methodologies, merging and tagging to facilitate defect/change management in conjunction within projects across the organization.
* Managed daily and nightly Integration test builds for Dev Teams sizing upto 15 and ensured the build stabilization for nightly deploys.
* Web application penetration testing and knowledge on IAAS, PAAS, SAAS
* Participate in the software design, development, and implementation using standard WCM and/or eCommerce platforms such as **Adobe AEM (CQ),** SDL Tridion, Sitecore, Fatwire, CrownPeak, hybris, Oracle/ATG Demandware, Intershop and IBM WebSphere Commerce
* Make changes to **AEM site content**, assets, and workflow.
* Mavenized several **ANT** projects and handled the build process and CI framework for Applications as big as having 30-40 different modules.

**Experience with DevOps Tools:**

**Aws:**

* Worked with all **AWS EC2** resources like **Volumes, Keypairs, Placement Groups, Elastic IPs, Snap Shots, Load balancers and Security Groups**.
* Defining**AWS** EC2 Instance **Security Groups**, configuring Inbound / Outbound rules and tagging **AWS EC2 resources**.
* Experience configuring **AWS Cloud watch** for monitoring of instances during performance testing and also to monitor application performance on QA environments.
* Creating Auto **Scaling groups** in **AWS** from Instance templates and Auto Provisioning based on the Project / Testing team needs.

**Ansible**:

* Knowledge on **Ansible** from the point of bootstrapping nodes to executing run-lists to mirror the new nodes to **web or application** servers and to run deployments against newly added nodes to the clusters.
* Written **Ansible** Playbook to automate installation of Middleware Infrastructures like **Apache tomcat**, jdk and configuration tasks for new environments etc.

**Docker**:

* Experience working on several **Docker** components like **Docker** Engine, Hub, Machine, Compose and **Docker Registry**.
* Experience working on **Docker** hub, creating **Docker** images and handling multiple images primarily for middleware installations and domain configurations.

**Technical skills**:

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| --- | --- |
| CI Tools | Jenkins, Teamcity, Bamboo |
| Application Servers | WebLogic, Apache Tomcat, Jboss |
| Web Servers | Apache, IIS |
| Logging | Splunk, knowledge on Logstash |
| Infrastructure as Service | AWS, OpenStack, Terraform |
| Virtualization Platforms | Vagrant, VirtualBox |
| Configuration Management | Chef, Knowledge on puppet, SaltStack and  Ansible |
| Operating Systems | Flavors of Unix, Windows |
| Application Deployment | uDeploy, Rundeck |
| Build Systems | Maven, Ant, and Gradle |
| Databases | Oracle, MySQL |
| Version Control | Git, SVN, Perforce |
| Scripting Languages | Shell (bash) Scripting, knowledge on Ruby and Python |
| Containerization Tools | Docker, Kubernetes |

**Project Experience**:

**Unicorn telematics, GA October 2022 to Current**

**DevOps Engineer**

**Roles & Responsibilities**:

* Implementing and improvising Continuous Integration and Continuous Delivery pipeline using **Jira**, **Gitlab**, **Git** **Bash**, **Jenkins**, **Gradle**, **Ansible** and **Archiva/JFROG artifactory**.
* Scripting the deployment tasks and admin tasks such as monitoring and doing health checks of the servers using **shell (bash)** **scripting, python** and command line.
* Debugging and resolving **Jenkins** build and deployment issues to achieve Continuous Integration and Continuous Delivery pipeline for **Springboot** application.
* Setting up and maintaining **Jenkins** for continuous builds for sanity on multiple project trains.
* Designing, implementing, and supporting infrastructures like EC2 instances, virtual private cloud (VPCs), **ECS**, **RDS Rational database**, **Elastic Load Balancer’s (ELBs)** **and S3 storage buckets** etc. on **Amazon web services (AWS)**.
* Configuring UpSource on **Amazon** **Web** **Service (AWS) using terraform**  and integrating with **Jenkins** and **Gitlab** for better code review and team collaboration.
* Configuring **Tibco** agents on servers to integrate and manage the applications.
* Building and deploying spring boot application to the non-production and production environments using **Gitlab**, **Gradle**, **Archiva/JFROG artifactory**, **Ansible**, and **Jenkins**.
* Implementing a Continuous Delivery framework using **Jenkins**, **Terraform**, **Ansible, Maven and Nexus** in Linux environment and backup files and archive files in **Glacier**.
* Automating installation of middleware infrastructure like Apache **Tomcat**, and JDK for new environments by using shell (bash) and **Python** scripting and **Ansible** **playbooks**.
* Monitoring **Splunk** logs and recommending the application team to make necessary code changes for better application performance.
* Automated **karate** framework with the spring boot application to identify and debug the issues as well as to red
* Created separate code branches and repositories for each release to ensure confidential user data using **Gitlab**.
* Involved in design and implementation of cutover plans for prod and non-prod environments.
* Used bug reporting tool **Service-Now, Jira** to track the changes and fixes.
* Worked closely with Developers, Users, Business Analysts, and operations group to triage and resolve deployment failures.
* Migrated web service from on-premises servers to **Amazon web service (AWS).**
* Configured & Provisioned **AWS** EC2 Cloud instances, **ECS** using **AMI**'s like (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins.
* Wrote **Kubernetes configuration scripts** and modified ingress/URL related information in the existing Config.
* Setting up and maintaining **Jenkins** for continuous builds for sanity on multiple project trains.
* Virtualized the servers using the **Docker and Kubernets** for the test environments.
* Setting up multiple automation servers for crash analysis, automated builds, and remote team integration server.
* Setting up cron/launched jobs for kicking automation scripts.
* Release Engineering & Configuration Management (**clearcase, subversion, GIT, GitLab, cvs**) and delivering projects by reducing costs (Cost Optimization).
* Working with multiple teams for cost optimization of the project by suggesting the tools required for implementing CI-CD pipeline
* Implemented **Jenkins** jobs for non-production and production environments.

**Western Union, San Francisco, CA Oct 2018 to Sep 2022**

**DevOps and Release Engineer**

**Roles and Responsibilities:**

* Implementing new projects builds framework using **Jenkins, maven, JFROG artifactory** as build framework tools.
* Responsible for versioning the source code and releasing binary files.
* Configured all **git repositories**.
* Connected continuous integration system with **GIT version control** repository and continually build as the check-in’s come from the developer.
* Built up coding measures and implemented them through automated tools.
* Configured multiple Windows and Linux slaves for **Hudson** master to distribute the load across a Farm of machines.
* Educated team about continuous integration and automated testing practices and supported them throughout development.
* Responsible for Creating on-demand **EC2 instances**.
* Experience with various **AWS** services like **EC2, S3, RDS, Glacier, VPC, ECS** and **Cloud Formation template and terraform**.
* Created Multiple **Python and Shell (bash)** scripts for build automation and deployment.
* Configured, Provisioned and maintained linux on-premise servers as an Linux admin as well as created Continuous Integration and Continuous Delivery pipeline pipeline for on-premise **Linux** servers.
* Written **Ansible** playbooks and recipes to Provision several pre-prod environments consisting of **Cassandra DB** installations, **web logic** domain creations and several proprietary middleware installations.
* Used **AWS S3** service as Build Artifact repository to created release based buckets to store various modules/branch based artifact storage.
* Creating Custom **AMI’s and AMI** tags, modified AMI permissions.
* Applied the test driven development methodology while developing which yielded cohesive, loosely coupled and tested code.
* Provisioned servers regularly using **Ansible.**
* Designed deployment method using **Ansible**to deploy servers as needed.
* Documented the **SCM process** and policies of the company and recommended some process changes.
* Wrote **Ansible  Playbooks** and created tasks for various applications, ran the scripts to deploy the applications on client hosts.
* Mentored junior Java developers through Eclipse, **ANT, GIT, and general Javascript** issues and documented knowledge in several in-house wiki pages.
* Actively involved in Architecture, design, development and testing phases.
* Resolved dependency issues between different modules in android build system by configuring make files.
* Used **Ansible playbooks** to setup Continuous Delivery pipeline. This primarily consists of a **Jenkins** and **Sonarqube** server, the infrastructure to run these packages and various supporting software components such as Maven, etc.
* Used **Docker** to defining and creating applications or services by encapsulating them in containers.
* Utilizes Several **Docker** best practices to create base images from scratch and to create clear, readable and maintainable clean **Docker** files.
* Testing and deploying automation with **Docker, Jenkins and Ansible**.
* Led **Hudson** continuous integration server installation and configuration for all **GIT Repositories**.
* Coordinated software development teams and QA teams on issues and solved the problems.

**Veritas, Mountainview, CA June 2017 to Sep 2018**

**DevOps/Build and Release Engineer**

**Roles and Responsibilities:**

* Automated update of bug system by setting up **Node.js/Express.js** web services server to receive **GIT post** receive hooks.
* Automated baseband sanity test system to restore **iOS** devices with custom baseband **GIT training** to developers.
* Train and recommend **GIT** workflow to developers.
* Automated baseband power analysis system saving days of developer’s time.
* Automated baseband crash analysis system for baseband crashes to save hours of developers’ time
* Automated part of the vendor code merge process to reduce the turnaround time
* Automated bug system update with **template** information with every subversion check in.
* Automated build audit and submission process and tracking of audit information and bug updates.
* Support scon/make based vendor **build environment**.
* Setup **Jenkins** for continuous builds for sanity on multiple project trains.
* Maintained track inventory using **Jenkins** and set alerts when the servers are full and need attention.
* Automated source checkout to complete build for developers using scripts (**python).**
* Setup multiple automation servers for audio crash analysis, **automated builds**, remote team integration server.

**Formac, Jun 2015 to May 2017**

**Build Engineer**

**Roles and Responsibilities**:

* Worked to custom web solutions for various groups (**CGI/Perl**).
* Worked on release engineering task.
* Collaborate and work with architect software configuration system (**subversion**) to be used by a 150+ software group.
* Assisted Build team architect to implement a build system for a 150+ software group.
* Provided creative solutions to multiple architecture support in build system, run Perl and other tools in multiple architecture environments.
* Worked of various Javascript projects including reporting/charting **(JFreechart** based) and java 2D with database (**Oracle**) back end.
* Worked on J2EE webapps based on JSFT emulating and Woodstock AJAX components.
* Experienced in PHP & **Mysql** web applications.
* Worked with Netbeans developer environment.
* Managed user authentication and authorization for the users in both **Subversion** & Perforce.
* Created and maintained **Ant build.xmls** and **Maven Pom.xmls** for performing the builds.
* Managed **Nexus** repository for project, created a new repository and provisioned it.
* Integrated Code Quality Tools like **Cobertura**, FindBugs and Check Style in the build scripts.

**Education**:

* Masters from **San Francisco Bay University**, California in 2016
* **Bachelor of Technology** from **Jawaharlal Nehru Technological University**, 2014,Telangana, **India**.