**SANDEEP G**

[**iamgsundeep@gmail.com**](mailto:iamgsundeep@gmail.com)

**(413) 801-7048**

**PROFESSIONAL SUMMARY**

Over 7 Years of experience in IT industry comprising of Development and Software Configuration Management (SCM). Extensive experience includes SCM, Build/Release Management, DevOps and Change/Incident Management.

* Extensive experience of working with the build and deployment of large-scale applications.
* Hands on experience with **PVCS, Rational Clear Case, Perforce, Subversion and GIT.**
* Hands on experience with bug tracking tools like **Tracker, Jira, HP Service Manager** and ERB Change management tools.
* Proposed and implemented branching strategies in version control systems
* Experience with build tools **Ant and Maven** for writing **build.xml’s and pom.xml’s** respectively.
* Experience in integrating Unit Tests and Code Quality Analysis Tools like **JUnit, Selenium.**
* Experience in using **Nexus and Artifactory Repository** Managers for Maven builds
* Administered and Implemented CI tools **Hudson/Jenkins** for automated builds
* Experience in using **Tomcat and Apache web servers** for deployments and for hosting tools.
* Experience on advanced shell scripting, create SQL queries and knowledge of **PERL, SHELL, Ruby, and PYHTON as well.**
* Good experience in installing and configuring **WebSphere application server**.
* Created SCM Process, policies and procedures to follow Development and QA teams to Release or Deploy highest quality product for the enterprise.
* Version control through GIT. Writing new plugins in Nagios to monitor resources. Working in implementation team to build and engineer servers on Ubuntu and RHEL Linux. Provisioning virtual servers on VMware and ESX servers using Vcloud.
* Plan, perform and document system/application upgrades in Production and Beta environments. Manage and Maintain large **MySQL** databases and backups.
* Developed automation tools for Build and Release using **Python/Ruby Scripting**.
* Involved in Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms using **Chef**.
* Maintained **puppet modules** for automated configuration. Worked on and managed company’s customer’s accounts on **Amazon Web Services Cloud**.
* Experienced in evaluating different cloud providers, and successfully migrated DEV, QA environments to **Amazon Cloud**.
* Expertise in **OpenStack** environments to create and manage users using Keystone, Volume management using Cinder, network and port management using Neutron and VM management using **OpenStack**
* Installation and configuration of Web Application servers like Apache, Tomcat and WebLogic.
* Have tested various Linux Environments in the Development/Test Stages to help create a better standardized environment and resolutions of any problems if any occurred.
* Maintain Infrastructure using **Chef and Ansible** Infrastructure automation.
* Good Experience with **AWS EC2, EBS, S3, Cloud watch** and all other AWS services.
* Create, maintain and fix **puppet modules**. Write and run **Jenkins jobs**.
* Experience on Cloud technologies like VMWARE/VSPHERE, AWS and Open stack.
* Automate regular tasks using puppet and maintain the existing puppet modules.
* Worked with different Bug tracking tools like **JIRA, Rally, Remedy, HP Quality Center, Fisheye, Crucible and IBM Clear Quest.**
* Expertise in Querying RDBMS such as **Oracle, MY SQL and SQL Server** by usingPL/SQL for data integrity.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Versioning Tools: | CVS, Tortoise SVN, Clearcase, GIT, Bamboo, Perforce and PVCS |
| Bug Tracking Tools: | JIRA, Remedy, HP Quality Center, IBM Clear Quest, Mingle |
| CI/DevOps Tools | Bamboo, Hudson, Jenkins, Puppet, Chef, Ansible, Docker |
| Build Tools: | Cruise Control, ANT, MAVEN and TeamCity |
| Cloud Environment | Amazon Web Services (AWS), Open Stack |
| Scripting | Perl Scripting, Shell Scripting, Python, Perl, Jython |
| Web Technologies: | Servlet, JDBC, JSP, HTML, JavaScript, XML |
| Web servers: | Web logic, Web Sphere, Apache Tomcat, JBOSS |
| RDBMS | Oracle, SQL SERVER, MYSQL, DB2, Cassandra |
| Operating Systems: | Windows, UNIX, LINUX (RHEL, UNBUNTU, CENTOS). |

**PROFESSIONAL EXPERIENCE:**

**Client: PayPal Inc., San Jose, CA Feb’16 – Till Date**

**Role: SrDevOps Engineer**

**Responsibilities:**

* Member of DevOps team managing Linux Systems and Middleware Environments in physical & one virtual datacenters.
* Built CI pipeline to automatically test all code commits and CD pipeline for developers to ship code to production.
* Experienced in installing, upgrading Build tools like **Subversion, Nexus, Jenkins and Maven.** Implemented Continuous Integration using **Jenkins.**
* Responsible for deploying from development through production, monitoring and diagnosing complex applications across multiple layers, protocols and nodes.
* Configuration management using **Amazon Cloud Formation, Chef Server and Ansible.**
* Wrote **Ansible** Playbooks with **Python** SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using **Python.**
* Written Maven scripts, Installed Jenkins, written shell script for end-to-end build and deployment automation.
* Build and maintain SQL scripts and execute different scripts for different environments.
* Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
* Performed all necessary day-to-day Subversion/GIT support for different projects and Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
* Used GIT as source code repositories and managed GIT repositories for branching, merging, and tagging.
* Proficient in Java, J2SE, J2EE, JDBC, Servlets, JSP, JNDI, Web services (SOAP, RESTful), JSON, HTML, CSS, Java Script, JQuery, Ajax, JMS, XML, CVS, Ant, Log4j, Junit.
* Wrote Python/Perl scripts to parse XML/JSON documents and load the data in database.
* Used **JSON, Jackson, Groovy and DOM** to parse/generate data.
* Migrated source code from **Subversion to GIT**. And Configured **Jenkins** to use **GIT** as source code repository.
* Responsible for Graphite and Elastic Search/Logstash/Kibana (ELK) scaling and operation.
* Application of AWS solutions especially EC2, S3, RDS, EBS Elastic Load Balancer and ELK search.
* Highly motivated and committed DevOps Engineer experienced in Automating, Configuring and deploying instances in **AWS.**
* Experience on Cloud automation using **AWS** Cloud Formation templates.
* Performed system monitoring using **Nagios and Cloud Watch in AWS Cloud.**
* Experienced in **Amazon EC2** setting up instances, virtual private cloud (VPCs), and security groups. Pushing all configuration management into **Chef** to allow for rapid rollout of new infrastructure.
* Developed the front end using HTML, CSS, and JavaScript. JRules, JQuery, java restful web services using Json and XML, Bootstrap.
* Developed RESTFUL web services including JSON formats for supporting client requests.
* Infrastructure virtualization and app isolation using **Docker**.
* Worked on lifecycle management of image-based containers by the**Docker**.
* Written bash scripts to deploy the Java based packages like ear and war on the Tomcat Application server.
* Used **Chef** for configuration management and deployment automation in multiple environments.
* Designed and developed User Interface, application modules using JSP, HIbernate as persistence provider, tag library, CSS and JavaScript.
* Responsible for all environments support and share in two-person on call rotation.
* Assist Dev and QA engineers in troubleshooting day-to-day technical issues.
* Created instances in **AWS and configure** security groups and Network ACLs.

**Environment:** Java, Subversion (SVN), JIRA, Chef, AWS, ANT, GIT, Maven, Jenkins, Unix/ Linux, Nexus, Python, Ruby, Shell, Perl, Java, JIRA, SONAR.

**Client: Caterpillar, Peoria, IL Jun’14 – Jan’16**

**Role: DevOps Engineer**

**Responsibilities:**

* Participated in the daily stand up SCRUM agile meetings as part of AGILE process for reporting the day-to-day developments of the work done.
* As member of Release Engineering group, redefined processes and implemented tools for software builds, patch creation, source control, and release tracking and reporting.
* Assist with maintaining current build systems, developed build scripts, and maintained the source control system.
* Experience in AWS Ansible Python Script to generate inventory and push the deployment
* Experience in using Ansible playbooks, inventory, dynamic inventory and automated Existing cloud environment.
* Supporting Ansible module for the desired state of system over SSH by default.
* Built deployment pipelines using Jenkins as a frontend for continuous deployment to local staging and test environments and to production environments on demand, using a combination of Ruby, Ansible, AWS tools, and shell scripting.
* Built common RESTful API to communicate to MasterPass and deployed in AWS, these services has been shared with Mobile, Mobile-App and BSD teams
* Configured a new tomcat instance in AWS Elastic Beanstalk and deployed & maintained for development environment (MasterPass APIs)
* Automate server provisioning with custom **Puppet manifests and Bash Shell scripts** across **Red Hat, Cent OS, and Ubuntu.**
* Responsible for design and maintenance of the **Subversion/GIT, Stash** Repositories, views, and the access control strategies.
* Configured and automated the **Jenkins** Build jobs for Continuous Integration.
* Managed **Subversion repositories** for branching, merging, and tagging.
* Coordinate and assist developers with establishing and applying appropriate branching, labeling and naming conventions using **GIT source control.**
* Used Subversions source code repositories and managed SVN repositories for branching, merging, &tagging. Built Cassandra Cluster on both the physical machines and on AWS.
* Involved in the process of Cassandra data modeling and building efficient data structures.
* Developed a continuous deployment pipeline using **Jenkins**, **Puppet**, and **shell scripts.**
* Managed the source codes repository of multiple development applications using PVCS and Perforce version control tools.
* Used **ANT and Jython** scripts to automate the Build and deployment process to deploying the web services.
* Developed and maintained the continuous integration and deployment systems using Jenkins, ANT, Maven, Nexus, **Ansible** and Ruby.
* Built common RESTful API to communicate to MasterPass and deployed in AWS, these services has been shared with Mobile, Mobile-App and BSD teams
* Configured a new tomcat instance in AWS Elastic Beanstalk and deployed & maintained for development environment (MasterPass APIs)
* Automated CI/CD with Jenkins, build-pipeline-plugin, **Maven, GIT Set up Jenkins** master/slave to distribute builds on salve nodes.
* Responsible for enhancing the DOTS admin tool functionality using the JSON, spring, Jersey Restful web services and Hibernate.
* Enabling customers to better manage software development, deployments and infrastructure with tools such as**Puppet, Jenkins** and **GITHUB**.
* Setup **Docker** on Linux and configured Jenkins to run under **Docker** host
* Good understanding of **Docker** Configuration Management Tool.
* Used several **Jenkins plugins like Artifactory Plugin, Ant, and Maven Plugin** etc.
* Created analytical matrices reports for release services based on Remedy tickets.
* Trained offshore team members and responsible for knowledge transfer.
* Implemented Automate the Environment provisioning Using Chef &**Docker**.
* Dev cloud available with chef sdk, **Docker** RHEL for creating different Environments (VMs).

**Environment:** Java/J2ee, PVCS, Perforce, Ant, Maven, Chef, Puppet, AWS, Jenkins, Docker, Subversion (SVN), Web sphere Application Server, UNIX, Python, Perl, Perforce, SCRUM, Clear case, Remedy, Oracle.

**Client: Hyundai, Fountain Valley, CA Feb’13 -Dec’13**

**Role:SCM/Build and Release Engineer**

**Responsibilities:**

* Sending the Uptime and Downtime notifications to teams regarding Servers Status as a part of the Build Engineer role at the time of deploying the EAR and WAR package in WebSphere Admin Console.
* Participated in the release cycle of the product which involves environments like Development QA UAT and Production
* Regular Build jobs are initiated using the Continuous Integration tool like Hudson.
* Configured **Jenkins** for doing the build in all the non-production and production environments.
* Deployed **J2EE applications** to Application servers in an agile continuous integration environment and also automated the whole process.
* Written bash scripts to deploy the java based packages like ear and war on the WebLogic Application server. Worked extensively on PCVS, Subversion as Version Control.
* Used Remedy change management and bug tracking to track the issues in all pre prod and production environments.
* Build scripts using **ANT and MAVEN** build tools in Jenkins, Sonar to move from one environment to other environments.
* Responsible for CI environments (Jenkins, Nexus, Sonar)
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments and also create new jobs and branches through Jenkins.
* Automated Deployment through ARM and monitoring different application consoles through their admin pages and WebSphere.
* Used Artifactory repository tool for maintaining the java based release code packages.
* Provided the assistance for the smooth phase of Release for the Emergency and Expedite Releases by getting the Director Level Approval and coordinating with different teams.
* Written Shell scripts to apply the Integration label to all the files, which needs manual labeling of files. Updated the Database Tables running the Database Scripts.
* Strictly enforced ITIL process while pushing builds and deployments to prod and pre-prod environments.
* Gathered all the stakeholder approvals, necessary signoffs while acting as a release manager for two development teams.
* The above docs are being used as the guide for manual build and deployment process, in case the automated scripts break (emergencies).
* Created a complete release process doc, which explains all the steps involved in the release process.

**Environment:** Subversion (SVN), Jenkins, Jenkins, GIT, AnthillPro, Java/J2EE, JDK, ANT, MAVEN, DB2, PCVS, UNIX, Linux (RHEL), Web Sphere, Perl Scripting, Remedy.

**Client: Under Armour, Baltimore, MA Sep’11- Dec’12**

**Role: Build and Release Engineer**

**Responsibilities:**

* Participated in the release cycle of the product which involved environments like **Development**, **INT, QA, UAT** and **Production**.
* Performed allnecessaryday-to-day**Subversion**supportfordifferentprojects.
* Responsible for Branching and merging the code as per the schedule.
* Perform biweekly build cycle and testing processes.
* Used **ANT**and**MAVEN**asabuildtoolsonjavaprojectsforthedevelopmentofbuild artifacts on the sourcecode.
* Wrote **Maven** Scripts to automate the build process.
* Extensively used **ANT** tool to do the builds, integrated **ANT** to Eclipse.
* Created GIT repositories and specified branching strategies
* Developed and implemented the software release management for their release of web applications.
* Designed a customized Status Reporting tool used currently, based on the specific requirements using J2EE.
* Expert in CI and build automation tools including **Jenkins/Hudson, Maven, Ant, Cruise Control, Bamboo,** and **AntHillPro.**
* Configured and automated the **Jenkins** Build jobs for Continuous Integration.
* Used **Apache Tomcat** as application server for deploying the artifacts.
* Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Designed and implemented **Subversion** meta data including elements, labels, attributes, triggers and hyperlinks.Used**Perl/Shell** to automate build and deployment Process.
* Coordinated Release effort amongst various teams (Integration, QA, Testing, and Business Analysis) in geographically separated environment.
* Documented the deployment process (Migration Doc) of code to production.

**Environment**: Subversion, ANT, MAVEN, Java.J2EE, Hudson/Jenkins, Apache Tomcat, UNIX, JIRA, Perl Scripts and Shell Scripts

**Client: Nordstrom, Seattle, WA Jun’09 – Aug’11**

**Role: Build and Release Engineer**

**Responsibilities:**

* Packaging and delivery of artifacts to QA communities.
* Decide branching strategies for multiple projects.
* Used **Maven** build tool to generate different types of artifacts.
* Wrote script in **Maven** for Building multiple projects.
* Coordinating with development teams to perform builds and resolve build issues.
* Analyze and create daily reports on the status of server backups on intranet and extranet.
* Provide complete phone support to customers.
* Trouble shoots tickets on the help desk tracking system.
* Configured Environment, Run unit tests and created reports by using **Maven.**
* Wrote **ANT** and **MAVEN** Scripts to automate the build process.
* Used Shell/Perl scripts to automate the deployment process.
* Identify Configuration Items (CI) and document their characteristics. After every deployment, delivered the Release notes on Confluence site.
* Involved in Setting up the backup server for Jenkins and prepared disaster recovery plans for **JENKINS** and **BAMBOO**.
* Created and maintained Shell, Python and Ruby scripts for building applications
* Involved in release planning and executed the release build request from the project team through **JIRA** Ticket.
* Installed and configured Tools for Jenkins Continuous Integration environment from scratch for IOS builds and Deployments.
* Configuration management, release management and build management using **JENKINS / HUDSON.**

**Environment:**SVN (Subversion), Hudson/Jenkins, Ant, Maven, JIRA, Shell/Perl Scripting, WebSphere, UNIX.

**EDUCATION:** Bachelors of Science in Electronics and Communication Engineering from JNT University, India.