**Sampath**

7+ years of IT experience with profile of Software **DevOps**/**Configuration/Build/Release** Management/Continuous Integration and expertise on version control tools like **Subversion** and **Git** administration, Managing build and multiple releases. Expertise with Configuration Management tools like **Puppet and Chef**.

**PROFILE SYNOPSIS**

* Experienced in large production environments using different configuration tools like **Puppet and Chef.** Supported500+ servers of chef environment. Developed manifest and Cookbooks to manage system configuration.
* Experience in detecting production issues in system/Application logs of server using Splunk.
* Experience in using Continuous Integration tools like Cruise Control, Build Forge, Jenkins and Hudson.
* Monitoring and troubleshooting MySQL and Oracle databases for any performance related issues.
* Involved in Administration of Production, Development and Test environment’s carrying **Windows, Red Hat Linux, SUSE Linux** and **Solaris** servers.
* Experience in **Amazon Cloud (EC2) Hosting and AWS Administration.**
* Experience with source code management, bug tracking and virtual machine environment and also have working knowledge of high level software development facilities/utilities.
* Experienced in Automating, Configuring & deploying instances on **AWS** cloud environment and data centers; experience with EC2, Cloud Watch, Elastic Load Balancing and managing securities groups on **AWS.**
* Expert in **SCM** concepts like integration, versioning etc.
* Experience in working on **Jenkins** and **Team city** for continuous integration and for **End to End automation** for all Build and Deployments.
* Experience using tools like **MAVEN**, **ANT** for the building of deployable artifacts from source code.
* Created and wrote **shell** scripts (**Bash**), **Ruby**, **Python** and **PowerShell** for setting up baselines, branching, merging, and automation processes across the environments using **SCM** tools like **GIT, Subversion (SVN)**, **Stash** on Linux and windows platforms.
* Adept at deploying different builds to different environments on parallel development for multiple projects
* Perform periodic system audits on all environments ensuring controlled versions of software reside all environments
* Work under **SLA** (Service Level Agreement) &Incident Management (Remedy) with increase **Productivity, Scalability & Performance** of application.
* Efficient in tracing complex Build problems, Release & Environment issues in a Multi Component Environment.
* Exposed to all aspects of software development life cycle (SDLC) such as **Analysis, Planning, Developing,**
* Testing and Implementing and Post-production analysis of the projects.
* Participated in weekly release meetings to identify & mitigate potential risks associated with the releases.
* Experience on Hudson/Jenkins & Bamboo for continuous integration and automation for all builds & deployments.
* Build infrastructure design, **SCM, GIT**, perforce, **SVN**, Continuous Integration, Continuous Delivery, Preflight builds, Configuration Management, Release Automation, Installers, Packaging, Build languages, Scripting, **Python, Ruby, Shell, Ant, Maven, Chef,**  Windows, Linux, Virtual Machines, Apache testing, Sonatype Nexus, Apache tomcat and WebLogic, Static analysis tools Sonar.

**TECHNICAL SKILLS**

**Devops Tools:** Chef, Puppet, Jenkins, Docker Vagrant and Splunk.

**Database:** SQL, MYSQL and Oracle

**Scripting Skills**: Python, Shell, Ruby

**Operating System:** Windows XP/Vista/7, Ubuntu, Linux and Mac

**Debugging Tools:** Firebug and HTML Validator

**SCM Tools:** Sub Version, GIT, GitHub

**Virtualization Tools:** AWS, VMware, Oracle Virtual Box,

**Build Tools:** ANT, MAVEN.

**Programming Languages:** C, Core Java, HTML5, CSS3, PHP, MYSQL, Python

**WORK EXPERIENCE**

**Client: Walmart, Bentonville, AR Mar 2014 – Till Date**

**Role: Sr. Devops Engineer**

**Responsibilities:**

* Imported & managed corporate applications into GIT repositories and given access rights to authorized developers.
* Setting up the automatic build and deployment automation for Java base project by using Jenkins and Maven.
* Administration and maintenance of Docker runtime environment, Versioning and lifecycle management of Docker images, Experienced in Docker orchestration framework. Troubleshooting of Docker based applications
* Creating builds using shell Scripts, ANT/Maven scripts manually and automated.
* Performed Mechanization Puppet.
* Implemented automation tools such as Puppet, Chef and Dev-Ops.
* Implemented Infrastructure automation through Puppet, for auto provisioning, code deployments, software installation and configuration updates.
* Configured & managed Puppet master server, updated & created modules and pushed them to Puppet clients.
* Administered Jenkins for Continuous Integration and Continuous Deployment into Tomcat/Web Sphere
* Application Servers, Testing in build environment and release to test team on scheduled time.
* Handle Build & Release process including code, documentation and supporting testing team with Server Admin
* Integrate Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, Git, Confluence, Jira & Cloud Foundry
* Build servers using AWS: Importing volumes, launching EC2, creating security groups, auto-scaling, load balancers, Route 53, SES and SNS in the defined virtual private connection.
* Creating alarms in Cloud Watch service for monitoring the server’s performance, CPU Utilization, disk usage etc.
* Designing and configuring the AWS Secure Notification Service (SNS) and Secure Email Service (SES) architecture of the solution and working with client.
* Managed users and groups using the Amazon Identity and Access Management (IAM).
* Created Snapshots & Amazon Machine Images (AMI's) of EC2 Instance for snapshots and creating clone instances.
* Setup private networks & sub-networks using VPC and created security groups to associate with networks.
* Managed multiple AWS accounts with multiple VPC's for both production and non-prod where primary
* Objectives included automation, build out, integration and cost control.
* Managing IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Maintaining the user accounts (IAM), RDS, Route 53, SES and SNS services in AWS cloud.
* Server migration using cloud services like AWS from physical to cloud environment.
* Created Cloud Formation template stacks to automate for building new VPCs using JSON files.
* Experience in AWS, which included managing application in the cloud and creating instances
* Using Jenkins AWS Code Deploy plugin to deploy to AWS.
* Managed GIT repositories for branching, merging, and tagging
* Responsible for nightly and weekly builds for different modules.
* Perform Deployment of Release to various QA & UAT in Linux environments.
* Configured Elastic Load Balancers with EC2 Auto scaling groups
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
* Configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Used IAM to create new accounts, roles and groups.
* Worked in Water Fall model for creating automation scripts.
* Performed regression tests on application builds and analyzed the automation test results.
* Experienced in the area of analysis, design, development, maintenance, system programming and production support in the information technology industry.
* Gained EAI experience with knowledge in TIBCO Business Works, EMS, Rendezvous, Active Database Adapter.
* Involved in using Object-Oriented methodologies, re-factoring the code, data structures, multithreading, and performance profiling and code tuning. Exposed Stateless Session Beans as Java Web Services
* Extensively used Hibernate for object/ database mapping in building the DAO Layer
* Developed db2 queries and Written PL/ SQL procedures
* Extensively used Maven scripts for project builds and deployment to WebLogic Server
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch
* Involved in writing parent POM files to establish the code quality tools integration.
* Scripting in multiple languages on UNIX, LINUX and Windows – Batch, Shell script etc.
* JIRA is used as ticket tracking, change management and Agile/Scrum tool.

**Environment**: Git, Puppet, AWS EC2, Subversion, Jenkins (Hudson), Team City, ANT, Maven, Scripting, **Build** and **Release** automation, Perl, Python, Ruby, Shell Scripting, Continuous Integration tools

**Client: Ericsson, Bellevue, WA Aug 2012 - Feb 2014**

**Role: Sr. Devops Engineer**

**Responsibilities:**

* Responsible for Deployment Automation using multiple tools Chef, Jenkins, GIT, ANT Scripts.
* Written Chef Cookbooks and recipes in Ruby to Provision several pre-prod environments consisting of Cassandra DB installations, WebLogic domain creations and several proprietary middleware installations.
* Created various ANT scripts to create multiple deployment profiles and deploy the applications to Apache Tomcat.
* Managed the source control using version controlling tools like SVN and GIT.
* Good Knowledge on managing environments using Chef.
* Used Chef to configure and manage infrastructure. Wrote cookbooks to automate the configuration setups. Deployment and implementation of Chef for infrastructure as code initiative
* Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
* Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
* Responsible for design & maintenance of Subversion/GIT Repositories, views, and the access control strategies.
* Developed and supported the Software Release Management and procedures.
* Performed all necessary day-to-day Subversion support for different projects.
* Responsible for design and maintenance of the Subversion Repositories and the access control strategies.
* Created the branches in Subversion to implement the parallel development process to support quarterly releases.
* Merged release branches to the trunk after production release and resolved conflicts rose while merging Subversion.
* Used SVN for branching, tagging, and merging.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Started working GIT repository implementation.
* Defined branching strategies in GIT and implementation of best practices.
* Coordinating resources by working closely with Project Manager's for the release and all Operational Projects.
* Carried Deployments and builds on various environments using continuous integration tool Jenkins.
* Designed the project workflows/pipelines using Jenkins as CI tool.
* Wrote MAVEN and Scripts to automate the build process.
* Managed Maven Repository using Nexus tool and used same to share the snapshots and releases of internal projects.
* Installed Nexus repository tool to maintain the artifacts/dependencies jars.
* Created proxy nexus repositories to speed up the build process.
* Worked closely with development team and SQA team for product releases.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Documented project's software release management procedures with input decisions.
* Created runbooks for each application to help the release management team for successful deployments
* Created various scripts in Python and Ruby for automation of various build processes.
* Experience building large infrastructure for disaster recovery and multi data center strategy.
* Involved in Building data backup/recovery strategy and plans.
* Designed/ implemented Subversion and GIT metadata including elements, labels, attributes, triggers & hyperlinks.
* Writing Maven and Ant build tools for application layer modules.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Used ANT and MAVEN as a build tools on java projects for the development of build artefacts on the source code.
* Work with different team members for automation of Release components.

**Environment**: Red Hat Linux, JAVA, AWS, Chef, Jira, Jenkins, SVN, GIT, Shell Scripting, Windows Server 2008 R2, WebLogic, Python, Ruby, SVN, ANT, Maven, C++

**Client: Delta Dental, Okemos, MI Oct 2010- July 2012**

**Role: Build and Release Engineer**

**Responsibilities:**

* Provided CM and Build support for 5+ applications, built and deployed to the production and lower environment.
* Defined and Implemented CM and Release Management Processes, Policies and Procedures.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Maintained build related scripts developed in ANT, Python & Shell. Modified build configuration files - Ant's build.xml.
* Worked with development team to migrate Ant scripts to Maven.
* Branching and merging of the code base in CVS.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, Mavenization of Java projects and managing Maven repositories.
* Researched and implemented code coverage and unit test plug-ins with Maven/Jenkins.
* Used Maven dependency system to deploy snapshot and release artifacts to Nexus to share artifacts across projects.
* Configured & maintained Jenkins to implement CI process and integrated tool with Ant & Maven to schedule builds
* Strong usage of GIT commands to clone central repository to local server, merge local changes with master, etc.
* Installing GIT and cloning the central repository via Jenkins on RHEL.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Worked on the Oracle databases in the backend to execute the DMLs and DDLs.
* Handled build system from analysis, development, implementation & support of builds, unit testing & deployments.

**Environment:** Ant, Java, C++, Maven, Jenkins, Linux, Solaris, WebSphere, Shell/Python/Ruby scripting, Apache Tomcat, Nexus.

**Client: Motorola, Hyderabad, India Jun 2009 - Sep 2010**

**Role: Release Engineer**

**Responsibilities**:

* Developed remote network administration application for the R&D department.
* Dealt with administrating a server system using a mobile device.
* Involved in development phases including gathering & documenting requirements as use case documents
* Involved in developing code, utilizing the object oriented design principles, Unit and Integration Testing.
* Used Core Java and J2EE for developments.
* Advised and provided input for information systems and network IT security posture.
* Assisted the Network Enterprise Centers by finding resources to enhance or resolve technical hurdles.
* Resolved issues involving strategic / tactical IT systems, while providing applications and network support.
* Developed and maintained Perl/Ant scripts for build and release tasks.
* Modified ANT scripts to build the JAR, Classes and WAR's.
* Handled User Management for Subversion Servers.
* Involved in Branching and Merging of the code.
* Provided end-user training for all Subversion (SVN) users to effectively use the tool.
* Involved in Hudson Installation and setup, created Hudson jobs for both build and deployment.
* Used Hudson as a continuous integration tool for automation of daily process.
* Proposed branching strategies and implemented it.
* Performed clean builds according to the schedule published for a given release.

**Environment:** UNIX, SVN, Perl Scripts, Java, ANT, Maven, Hudson.

**EDUCATION**

Bachelor of Technology, JNT University Hyderabad India