C:\Users\kolli\AppData\Local\Microsoft\Windows\INetCache\Content.Word\AWS_Certified_Logo_SAA_294x230_Color.png**Nagendra**

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**DevOps Engineer**

* Over 6+ years of IT experience in Server provisioning, middleware management, build and deployment automation through tools like Jenkins, Rundeck, chef and GIT. Also worked in the areas of Software Configuration Management (SCM).
* Extensive experience includes Build/Release Management and Change/Incident Management.
* Designed and Implemented CI & CD Pipelines achieving the end to end automation from code check in to artifacts deployment.
* Supported server/VM provisioning activities, middleware installation and deployment activities via chef.
* Written Chef Cookbooks and recipes to Provision several pre-prod environments consisting of Cassandra DB installations, WebLogic domain creations and several proprietary middleware installations.
* Written Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Built multiple cookbooks in Chef. Implemented environments, roles, data bags in Chef for better environment management.
* Performed AWS EC2 instance mirroring, WebLogic domain creations and several proprietary middleware installations.
* Worked in agile projects delivering end to end continuous integration/continuous delivery pipeline by integration of tools like Jenkins, Rundeck, Chef and AWS for VM provisioning.
* Managed AWS EC2 instances along with EBS and S3 services.
* Maintain services hosted in AWS managing EC2 instances, Auto Scaling groups, EBS, ELB, S3, Route 53, and IAM account management.
* Evaluating performance of EC2 instances their CPU, memory usage and setting up EC2 Security Groups and VPC.
* Hands on experience on Chef, Puppet, Rundeck, Vagrant and AWS.
* Configured and Managed Jenkins in various Environments RHEL, Centos and Windows.
* Administered Version Control systems GIT, Subversion to create daily backups and checkpoint files.
* Created various branches in SVN/GIT, Merge from development branch to release branch and created tags for releases.
* Experience creating, managing and performing container based deployments using Docker images containing Middleware and Applications together.

**Work Experience**

**AWS Engineer**

**Lexmark International**

**Lexington, KY**

**August 2016 to Present**

**Responsibilities:**

* DevOps Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Responsible for build, design and maintain the platform automation infrastructure using Chef.
* Developed Chef Cookbooks to install and configure Apache, Tomcat, Splunk, Jenkins, Weblogic, Rundeck and deployment automation.
* Integrated Jenkins, Rundeck and Chef.
* Implementing Test Driven Development (TDD) approach for writing Chef Cookbook using Test-kitchen, Vagrant, Berkshelf, FoodCritic and ChefSpec.
* Launching fully chef configured and build management system to deploy servers with the proper configuration on a per role and per environment basis.
* Create release pipelines using GIT, Chef, HP Codar, and HP operations orchestration tool for automatic workflow.
* Helped Developers to setup Workstations in Windows, Linux and Mac to work with Chef.
* Supported server/VM provisioning activities, middleware installation and deployment activities via chef.
* End to end deployment ownership for projects on Amazon AWS. This includes scripting for automation, scalability, build promotions for staging to production etc.,
* Creation of Cloud formation templates for different envs(DEV/stage/prod) to automate Infrastructure (ELB, Cloud watch alarms, ASGs, SNS topics, RDS etc) on click of a button.
* Integration of Configuration Management Systems like Chef with AWS for code deployment.
* Setup OSS Sonatype Nexus on AWS for private repository management of in house developed libraries.
* Generating audit reports for customers to help them in optimizing costs and improve performance/security.
* Worked on simple storage services, simple notification service and cloud watch.
* Creating S3 buckets and restricting access to buckets and directories to specific IAM users.
* Associating virtual MFA tokens for IAM users for security.
* Created Elastic cache and elastic transcoder pipeline.
* Created VPC and enabled access between public and private subnets.
* Enhanced existing CI System Jenkins as per change list debug and official nightly builds and managed it solely. Installed Multiple Plugins for smooth build and release pipelines.
* Maintained over 500+ jobs in Jenkins from 5 different Application & Project teams in parallel.
* Managed Jenkins daily and nightly Integration test builds in for Dev Teams sizing upto 15 and ensured the build stabilization for nightly deploys.
* Experience with container based deployments using tools like Vagrant & Docker and provisioning dev environments and Docker images for middleware automation.
* Experience writing Docker files from scratch to create new images based on working environments like SIT & QA.
* Experience working with Docker Hub, Internal Docker Registry and Docker Engine.
* Provided end-user training for all Subversion (SVN)/GIT users to effectively use the tool.
* Developed build using ANT and MAVEN as build tools and used Jenkins to kick off the builds move from one environment to other non-prod environments.
* Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process.
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Deployed the static code in to front end apache web server.
* Responsible in deploying the application WARs, EARs in WebLogic application servers and troubleshoot any deployment issue.
* Configured the JNDIs, Data Sources, and JDBC to connect the application to the backend Oracle Database.

**DevOps Engineer**

**Ericsson**

**Bellevue, WA**

**January 2014 to July 2016**

**Responsibilities:**

* Expertise in various branching methodologies, merging and tagging to facilitate defect/change management in conjunction within projects across the organization.
* Ensured proper version control, revision labels and baseline management procedures as part of the release process.
* Experience in migrating source code repositories from between various version control systems like SVN to Git, SVN to P4v.
* Worked on several build tools like ANT, Maven and Gradle etc.,
* Written build scripts from scratch for new projects and for new modules within existing projects.
* Mavenized several ANT projects.
* Expertise in Enterprise repository management tools like Nexus, Artifactory etc.
* Maintained local team repositories and Organization's central repositories for maven.
* Deployed Applications into PROD & Pre-Prod environments with various Application server technologies like Weblogic, Jboss& Apache Tomcat.
* Troubleshooting deployment, infrastructure and start up issues on various application servers product line.
* Automated webserver content deployments via shell scripts.
* Configure the setup of every release biweekly and monthly on the regular basis for product teams to perform integration testing.
* Maintained over 20+ jobs in Jenkins for different Application teams.
* Helped teams move cronjobs/scheduler to Jenkins & configure jobs.
* Managed daily and nightly Integration test builds for Dev Teams sizing upto 15 and ensured the build stabilization for nightly deploys.
* Generated and published build and deploy reports in various CI tools.
* Environment Management of Dev, SIT, QA, Staging etc., for every assigned Releases.
* Performing Middleware, Infrastructure and Application Backfill activities for each Release.
* Source Code Branch maintenance, Forward & Reverse Integrate activities for code merges into Release & Project branches.
* Handling the cutover activities, Dependencies, resource allocation, overseeing the approvals, downtime schedules for PROD releases etc.

**Software Release Engineer**

**Highradius, Kondapur**

**Hyderabad, Andhra Pradesh**

**November 2012 to October 2013**

**Responsibilities:**

* Troubleshoot build errors/issues and fix them:
* Troubleshoot and resolve build issues (J2EE/Android builds); Create and maintain build scripts and processes for full and incremental daily debug/release builds as well as production level software releases.
* Ameliorated the Android build process
* Actively participated in the improvement of the software configuration and change management processes to guarantee build accuracy, version control of software artifacts, and re-creation/migration of build environments (from Build Bot to Build brain and from perforce to Git).
* Maintain Git source code repository and local mirrors; perform branching, tagging, merging and maintenance tasks for windows host and Mac builds.
* Performed Daily/Weekly/fortnightly customer releases through Git pushes to shared, private and public servers.
* Automated daily manual tasks/tests by running cron jobs. These jobs were actually BASH (shell), TCL, Perl, Python Scripts that report on a user specified frequency about various issues.
* Manage Version Control Systems tools like Git, GitHub to implement revision control systems to track, document and control changes to the repository source code.
* Build time reduction of Android builds
* Was a key member of the build team that worked on reducing build times. Various strategies used included introduction of cache, reduce compilation time by analyzing syntactic dependencies in fine-grain program units, and by removing redundancies.
* Developed and maintained UNIX/Perl/Ant scripts for build and release tasks.
* Modified ANT scripts to build the JAR's, Class files, WAR files and EAR files.
* Developed utilities for developers to check the checkouts, elements modified based on project and branch.
* Created Subversion configuration record for builds using derived objects generated during build audit process.
* Performing clean builds according to the schedule published for a given releases.
* Installed Cruise Control and performed troubleshooting during installation.
* Worked with Cruise Control for automated build and release.
* Verifying that the methods used to create and recreate software builds are reliable and repeatable.
* Research the project application architecture to support/resolve build, compile, and test issues/problems.
* Releasing code to testing regions or staging areas according to the schedule published.

**Network Operations Engineer**

**Web synergies Pvt Ltd**

**Hyderabad, Andhra Pradesh**

**July 2011 to October 2012**

**Responsibilities:**

* Modified ANT scripts to build the JAR's, Class files, WAR files and EAR files.
* Created Subversion configuration record for builds using derived objects generated during build audit process.
* Responsible for building and releasing packages for testing.
* Performing clean builds according to the schedule published for a given releases.
* Responsible for deleting the old deployed code and deploying the newly built code using Web Logic Admin Console.
* Releasing code to testing regions or staging areas according to the schedule published.
* Updated and automated Release reports for Change Management.
* Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
* Analyzing and recommending hardware and software needs and installing them.
* Arranging access for all personnel to any and all computer systems and programs necessary to full fill their responsibilities.
* Documented release, builds and source control processes and plans.
* Worked closely with development team and SQA team for product releases.
* Coordinated the build and deployment bottlenecks with the development team.
* In charge of reviewing existing manual Software Builds, developing scripts to automate repeated tasks that are more susceptible to errors and risks using PERL, Shell scripting.
* Strengthening security by implementing and maintaining Network Address Translation in company's network
* Performed Java/J2EE development using Struts.
* Deployed the applications to Websphere Application Server 5.0 and static content to apache web servers.

**Education**

Bachelors of Technology in Electronics and Communication Engineering

Jawaharlal Nehru Technological University.

**Technical Skills:**

**Cloud Services:** AWS, exposure to OpenStack

**Container Deployments:** Vagrant, Docker

**Build Tools:** Ant, Maven, Gradle, and NANT

**Scripting Languages:** Shell, Ruby, Perl

**Configuration Management:** Perforce, Subversion, GIT

**CI Tools:** Jenkins, AntHillPro, Teamcity, Bamboo

**Operating Systems:** Windows, Unix, RHEL and Solaris

**Databases:** Oracle, MySql, MSAccess

**Change Management:** Remedy, Service Now, and PVCS Tracker

**Web/Application Servers:** Tomcat, HTTP Server, Weblogic, Jboss

**Bug Reporting Tools:** SDM-12, BugZilla, JIRA and Rational Clear Quest

**DevOps:** Chef, Puppet

**Other Tools/Applications:** HP PPM, Sharepoint, Confluence, F5.