**Summary:**

* With 6+ Years of Expertise working as DevOps Engineer and System Analyst in the areas of Continuous Integration (CI), Continuous Delivery (CD), Configuration Management,Server Configuration, troubleshooting and Application Deployment management.
* **Almost 3 years of experience with DevOps methodologies** in Server provisioning, middleware management, build and deployment automation through tools like **AWS, Docker, Ansible, Jenkins, Chef, GIT etc.**
* Strong believer of DevOps Methodologies and working 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.
* I have designed and implemented **CI / CD** pipelines for many java-based applications helping project teams develop, deploy, test and deliver software packages fast & reliably.
* Worked with project development teams following **Agile & Waterfall** methodologies and can design source code branching, release life cycles and CI/CD pipelines based on pace & project deliverables.
* Experience maintaining **Jenkins** Master, configuring, securing and plugin management areas in Jenkins.
* Experience in writing the script in Shell and python for Automation process of release branches of Components.
* Wrote a Playbooks in YAML files to install the respective softwares on Jenkins slave.
* Deploy Applications and products in AWS and Openstack.
* Capable of writing **Chef** Recipes to automate operational & Deployment activities, written **Docker** files, Integrated **Chef** & **Jenkins** with Rundeckto provide an end to end cycle of instance provisioning to Application Deployment.
* Written Chef cookbooks and recipes to Provision Several pre-prod environments consisting of Deployment automation, **AWS EC2** instance mirroring, **Weblogic** domain creations and several proprietary middleware installations.
* Certified in AWS Developer Associate.
* Experience with multiple integration techniques based on service oriented architecture such as **SOA**, Web services (**REST APIs, SOAP**) and other communication interfaces like **HTTP**, **HTTPS**, and **TCP**.

**TECHNICAL SKILLS:**

CI Tools : Jenkins , Ansible.

Core quality Tool : Sonarqube

Build Systems : Maven, Ant, gradle.

Networking : TCP/IP, NFS,Telnet ,FTP, DNS, DHCP,NAT,HTTP.

Bug Tracking Tool : JIRA, Rally.

Version Control : Git, SVN.

Application & Web Servers : Weblogic, Apache Tomcat, Jboss, Apache, IIS

Configuration Management : Chef, Puppet, Ansible

Cloud Services : AWS,GCE, OpenStack, Azure.

Containerization Tools : Docker, Kubernetes.

Virtualization Platforms : Vagrant, Virtual Box, VMware.

Scripting Languages : Shell, Ruby, Bash, PERL, Python.

Monitoring Tools : AWS, CloudWatch, ELK Stack.

Application monitoring tool : Datadog

Logging : Logstash.

Operating Systems : Linux, Unix, CentOS, Ubuntu, Windows.

PROFESSIONAL EXPERIENCE

**Cisco, San jose, CA Oct’16- Current**

## DevOps Engineer

**Responsibilities:**

* Developed automation that can be used to create a release branches for every components product.
* Setup various jobs in the **Jenkins** for the commit based builds as well as nightly builds.
* Hands-on Experience in writing Bash script for building deployment pipelines.
* Responsible for setting up from scratch and maintaining automated (CI/CD) Pipelines for multiple apps.
* Integration of Automated Build with Deployment Pipeline.
* Working on to setup the nightly regression jobs and build the jobs.
* Wrote a Playbooks to install node, git, docker, java, sonar qube, Awscli on Jenkins slave for building the application part of CI/CD.
* Written chef recipes to perform middleware binary Installation and Configuration tasks involving **jdk**, **Tomcat**, **WebLogic** binaries installation.
* Working on Deployment of all SP’s in AWS and Open Stack.
* Developed a automation scripting in Shell and python that can create a release branches by using Jenkins enterprise.
* Responsible for configuring and maintaining all pre-prod environments consisting of complex middleware environments with several variations of **Tomcat** installations consisting of several instances in each installation.
* Worked with various custom resources, created roles & environments and using **chef** handlers for various auto kickoff requirement jobs.
* Written Several **Chef** cookbooks from scratch consisting of recipes that can Provision several pre-prod environments consisting of **Weblogic** domain creation, Deployment automation, instance mirroring, and several proprietary middleware installations.
* Written Unit test cases for chef recipe testing using test **kitchen**, **foodcritic** etc.
* Setting up chef repo’s (local & remote) working with both hosted and standalone server versions.
* Performed tasks like 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 several **Docker** files to create tomcat along with required version of **jdk** container images.
* Worked with **Docker** Trusted Registry as repository for our docker images and worked with **Docker** container networks.
* Developed automation scripting in Python and Shell using Ansible to deploy and manage Java applications across Linux servers With Kubernetes, I could quickly and efficiently respond to the changes on demand. Deployed our applications quickly and predictably.
* Developed different environments of different applications on AWS and openstack by provisioning Kubernetes clusters on GCE instances and GKE using Docker, Ruby/Bash, Python
* Dockerized several services like **SSH** daemon service and familiar with several docker command line utilities.
* Utilizes Several **Docker** best practices to create base images from scratch and to create clear, readable and maintainable clean docker files.
* Deploy Virtual managed services on AWS and Openstack
* Worked with several **AWS** services like EC2, EBS, S3, VPC, Cloud Formation and Cloud Watch.
* Responsible for creating on-demand **EC2** instances.
* Creating Custom **AMI**’s and **AMI** tags, modified AMI permissions.
* Working with Security Groups, configuring Inbound /Outbound rules, creating and importing Key Pairs.
* Used **AWS S3** service as Build Artifact repository to created release based buckets to store various modules/branch based artifact storage.
* Created **Wiki** pages and educated the team about the automation and branching strategies to be followed.
* Extensive Knowledge of puppet as Configuration management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change.
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools.
* Implementing a Continuous Delivery framework using Jenkins, Chef, Maven andNexus in Linux environment.
* Good exposure to the APM tool like Datadog.
* Migrated applications to the **AWS** cloud.

Environment: Git, Jenkins Enterprise, Chef, Maven, Nexus, AWS, Openstack, WebSphere, Ant, Ansible, Confluence, Jira, Rally,Unix/Linux.

## Walmartlabs, Santa clara, CA Jan’16- Oct’16

## Build & Release Engineer

**Responsibilities:**

* Responsible for versioning the source code, releasing binary files, creating and applying labels on source files and release files.
* Directed and configured Jenkins for overseeing regular build, test and Deploy chain, SVN/GIT with DevOps testing production team for every week releases.
* Led Hudson continuous integration server installation and configuration for all **GIT** Repositories
* Automated application packaging and deployment
* Managed Ubuntu 8.10 staging environments.
* Implemented packer based scripts for continuous integration with the Jenkins server and deployed packer based scripts on to the Amazon ec2 instances.
* Managed 90 GIT repositories with a version control wrapper tool **REPO**.
* Automate the release process and jobs by using shell and python scripts.
* Build the regressions and create the pipe line.
* Established coding standards and enforced them through automated tools
* Configured multiple Windows and Linux slaves for Hudson master to distribute the load across a Farm of machines.
* Giving support for JBoss Compute servers in One Ops cloud.
* Manage the configurations of all the servers using Chef; configured Jenkins builds for continuous integration and delivery (CI/CD). Automated web server content deployments via shell scripts.
* Currently installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Applied the test driven development methodology while developing which yielded cohesive, loosely coupled and tested code
* Educated team about continuous integration and automated testing practices and supported them throughout development
* Integrated Testing Tools like **Junit, Emma and Coverity in Hudson** which provide unit testing and Code coverage with detailed graphical reports
* Connected continuous integration system with GIT version control repository and Continually build as the check-in’s come from the developer.
* Ability to create scripts using Azure Shell during for automation and build process.
* Implement deploy and configure Azure websites, configure diagnostics, monitoring and analytics on Azure Platform along with scale and resilience for Azure Web sites.
* Designed VNets and subscriptions to confirm to Azure Network Limits.
* Good Knowledge with mobile telecommunication technologies and have hands-on experience with wireless mobile device operating systems: **Android, WinMobile**
* Resolved dependency issues between different modules in android build system by configuring make files.
* Migrating application into OneOps cloud.
* Created Multiple **ANT and Shell (bash)** scripts for build automation and deployment.
* Defined branching and merging strategies
* Documented the **SCM** process and policies of the company and recommended some process changes.
* Enabling the build process by using the Visual studio, specifying the maximum number of builds running on the **TFS.**
* Responsible for writing the **Release Notes**, documenting all useful info about the release: software versions, changes implemented in the release, Defects fixed, Labels applied etc.
* Deployed and configured **Tomcat application server** to host the wiki website.
* Coordinated software development teams and QA teams on issues and solved the problems.
* Mentored junior Java developers through Eclipse, ANT, GIT, and general Java issues and documented knowledge in several in-house wiki pages.

**IBM, Hyderabad, India Jun’ 12 – August ‘15**

**Linux/ System Analyst**

**Responsibilities:**

* Installation and Configuration of RedHat Linux OS, CentOS, Fedora, Ubuntu and performed tasks like, troubleshooting connectivity, disk space, CPU memory consuming and application status.
* Responsible for Connectivity issues among various Servers and various software components.
* Troubleshooting system OS, hardware, software and networks.
* Worked on installation and configuring VMware/ESX Servers for virtualization.
* Installing and Managing ESX and ESXi Servers on HP&CISCO hardware.
* Regular updates of drivers and firmware’s on all ESXi hosts.
* Configuring network services like NFS, DHCP, DNS, SAMBA, FTP, HTTP, TCP/IP, SSH and Firewall that runs on Red Hat Linux, Sun Solaris, AIX.
* Configured and administered Tomcat and FTP for Production servers.
* Supported Unix/Linux servers running Oracle and MySQL databases.
* Responsible in setting up of user and group login ID, printing parameters, network configuration & password.
* Developed Shell scripts for acquiring information about various Linux servers
* Troubleshooting TCP/IP network problems for the clients.
* Involved in performing backup repository, creating folder and granting user access privileges.
* Administration and configuration of SSL and Apache WebServer.
* Worked on the configuration of server monitoring tool like Nagios.
* Monitored system log files and messages for errors of the hardware and software failure.
* Monitored Network traffic using packet analyzer tools such as TCP/IP dump, Wireshark
* Assisted networking team to assign the IP address for new physical and virtual servers.
* Installation, configuration of LAMP server on Debian and Centos.

**Education:**

* Bachelors in Electronics and Communication Engineering, JNTU, India – 2012
* Masters in EE - 2016