**Summary:**

* With 8+ Years of Expertise working as DevOps Engineer, Build and Release Engineer and System Analyst in the areas of Continuous Integration (CI), Continuous Delivery (CD), Configuration Management Server Configuration, troubleshooting and Application Deployment management.
* **4+ years of experience with DevOps methodologies** in Server provisioning, middleware management, build and deployment automation through tools like **AWS, Docker, Ansible, Jenkins(CI CD), Chef, Openstack,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 Nov’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.
* Creation and management of Virtual Machines, Installing VMware tools, creating templates, cloning deploy Virtual Machines from Templates .
* Created and managed Development and Continuous Integration Environments using VMwareESX, automated through Jenkins using Perl and the VMware CLI.
* Responsible for build and deployment automation using VM Ware ESX, Docker containers and Ansible.
* 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.
* Technological forte is Chef, AWS, Thought Works Go, Ruby, Vagrant, Bash and middleware administration
* 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, Java, Go, Rally,Unix/Linux.

## Walmartlabs, Sunnyvale, CA. August’14- 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**.
* Created Linux Virtual Machines using VMware Virtual Center, creating VM Templates, and troubleshooting all Virtualization related issues. Migrated different projects from Perforce to SVN.
* 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.
* Build and Release Java Applications to DEV, Test, Pre-Prod and Prod Environments.
* 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.

**Sun Power Systems, Richmond, CA June ‘13 – July’14**

**Build and Release Engineer**

##### Responsibilities:

* Used **SVN** as version Control
* Supported Java Project code base and used **Maven** as Build tool.
* Migrated **Ant build.xml** files to **Maven POM.xml**
* Used Bash as scripts language for Build Automation.
* Maintained **Ubuntu** build machines and always keep them updated with latest security fixes.
* Managed Disk space and rebooted builds slaves as regular schedule to keep the health of build slaves.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python and Docker on familiar servers such as Apache, and IIS.
* Constructed restful API's in collaboration with backend Node.js server and SQL database.
* Integration of Automated Build with Deployment Pipeline.
* Build the regressions and create the pipeline.
* Integration of Automated Build with Deployment Pipeline.
* Working on Release branching process and build the regression jobs.
* Deploy Java Based applications on AWS.
* Used **Jenkins** as **CI** tool and added 20 Build slaves. Labeled Slaves so that load can divided and branches get their own priority
* Installed **Nagios** to keep track of the system status like uptime, system load, disk usage and send notifications to team when necessary.
* Worked on the **.NET** framework application by using the Internet Information Services **IIS** and deploying the files in the framework applications.
* Created branches and tags in Version control
* Merged and resolved conflicts using SVN and helped developers to work with version control tools
* Documented all the process and to do list for improvements
* Worked with Team and supported on-call rotation for pushing the releases in timely manner

**IBM, Hyderabad, India Jun’ 09 – Nov ‘12**

**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 – 2009
* Masters in EE - 2014