**Aswini**

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**Objective:**

Working as DevOps / Configuration Engineer in the domain of Telecom and manufacturing Contributed to improve the business in different area of agile methodology by applying the automation practices.

**Experience Summary**:

Working as a **DevOps engineer** at TCS from JUNE-2015 to till date.

**Profile Summary:**

* Good understanding about application architecture to build the environments for Java applications and .net applications.
* Experience in building the Dev, QA, UAT and Production environments on windows and Linux servers.
* Worked with internal server teams to get the new virtual servers build, licensing of Linux Red hat operating system quote requests approvals by interacting with different teams.
* Worked on Public cloud providers AWS and used the different services for IAAS model setup.
* Hands on experience in building the windows-based application on Azure cloud platform.
* Experienced using the Containers management using Dockers and Container Orchestration system Kubernetes.
* Experience in writing Docker files to build the images and compose file to deploy three tier web applications using the containers.
* Installation and Configuration of Kubernetes cluster and managing the deployments of pods, replica sets.
* Used monitoring system ELK to monitor the Kubernetes environment.
* Used the terraform to provision the infrastructure using the different providers.
* Automated the CI automation setup using Jenkins. Created the pipeline scripts to automate the CI/CD process setup.
* Worked on Build automation for Java stack using apache Maven and Ant. Configured the nexus system to manage dependencies across different teams.
* Written shell scripts to manage deployments to different environments.
* Installed and Configured Sonar Qube for static code analysis and integrated with CI process.
* Source code repository Management using Subversion(SVN) and GIT.
* Defined the branching and merging strategies for Sequential and parallel releases in agile release model.
* Used Issue tracking system for Pull requests for code merge requests, build requests to different environments.
* Involved in trouble shooting build, deployment and environment issues.
* Worked and Supported Deployments into multiple Application Servers like Web Sphere and Tomcat.
* Administrating and monitoring the Linux servers on AWS environment and Provisioned the environment setup using the tool Puppet.
* Used Ansible to automate the deployments to different environments.

EDUCATION:

* B.TECH graduate from JNTU Kakinada in Electronic &Communication engineering-2015.

SKILL SUMMARY

* Operating systems Linux and Windows.
* Scripting Languages Shell Scripting, python scripting,
* Configuration Management tool Ansible, Terraform
* Cloud AWS and Azure
* Application Servers Web sphere, Tomcat
* Web Servers Apache and IIS.
* CI Tools Jenkins/Hudson
* Databases Oracle and IBM DB2
* SCM Tools SVN, GIT
* Build Tools Maven, Ant and Nant.
* Artifact Management Nexus
* Code Coverage Sonar
* Development Methodologies Agile
* Bug tracking tool JIRA
* Container technology Docker and Kubernetes.

**CLIENT: Napier Health Care**

**PROJECT: DIGITAL INSURANCE AS A SERVICE.**

**Role: DevOps Engineer / SCM.**

**Duration: Feb’2017 to Till Date.**

**Environment: GIT (GITHUB), Maven, DB2, MySQL, JIRA, Shell Scripts, python, WebSphere, Tomcat, Jenkins, AWS, Azure, Terraform, Ansible, Docker and Kubernetes.**

**Contributions:**

* Worked with different teams to setup the different environments Dev, QA, Pilot and PROD.
* Deployed the servers on AWS environment and Managed the configurations using Terraform.
* Containers setup using Docker. Involved in writing the docker files to build images and deployed the containers to the different environments.
* Kubernetes cluster installation and Configuration. Also responsible for deployments automation of Pods, replica sets, deployment.
* Monitoring and trouble shooting of application running on cluster.
* Responsible for GitHub branching and pull request merges.
* Coordinated with dev teams and BA teams to perform the pull requests across different branches and builds schedule to the environments.
* Automated the DB deployments and support activities.
* Defined and Implemented Configuration Management and Release Management Processes, Policies and Procedures.
* Worked with Engineers on providing the configuration details of the all the environments configuration activities Responsible for Environment Management and deployment automation, provision the infrastructure of windows and Linux environments.
* Developing and supporting day to day release builds and deployments, improving existing infrastructure and services with upgrades.
* Worked on standalone docker container setup by writing the docker files and deployed into different environments.
* Manage and configure AWS services as per the business needs (ELB, SES, EC2, Route53, S3, Cloud Watch, IAM, VPC and Cloud formation.
* Setup and Managing VPC, Subnets, make connection between different zones.
* Creating snapshots, AMIs, Elastic IPs and managing EBS volumes.
* Code-level application security (IAM roles, credentials, encryption, etc.)
* Configure horizontal scaling: Scale in and out using Auto Scaling, add and remove instance as needed to handle the growing workload.
* Create/Managing buckets on S3 (CLI) and store DB and logs backup, upload images for CDN serve.
* Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
* Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.
* Configure jobs and pipelines using Jenkins, troubleshoot problems arising from Build failures and Test failures.
* Implementation of new build and deploy tools & Process to make smooth pipeline transition from Dev to Production.
* Specialized in automating tasks and process through scripts, implementing branching models, implementing.
* Rolled out Ansible playbooks to all server application deployments and used the Ansible roles to drive host configuration, monitoring.
* Build, Configure, Manage and Coordinate all Build and Release Management activities.
* Expertise with UNIX and Windows environments including shell and python scripts.
* Developing build and deploy tools to make smooth pipeline transition from Dev to Production.
* Upgrading Jenkins and deploy on Tomcat on the existing applications. Configuring LDAP authentication with the existing software structure (Jenkins).
* Implemented parallel deployment successfully on the Jenkins.
* Deployment of the Business processes by creating JAR, WAR and EAR files to web sphere Application Server
* Built, configured and supported Application team environments.
* Maintained and upgraded Jira issue tracker, Sonar code review tool.
* Experience Installing, configuring and upgrading Tomcat & web sphere application server.
* Implemented & maintained the branching and build/release strategies utilizing Subversion and GIT.
* Used Ant, Maven as a build tools on java projects for the development of build artifacts on the source code.
* Managed Version Control Subversion (SVN) and Bit bucket Enterprise and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.
* Configured local Maven repositories and multi-component Ant projects with Nexus repositories and scheduled projects in Jenkins for continuous integration.
* Establishing standards for build artifact management and build configuration. Documentation of change management and best practices.
* Coordination of code merges and deployments with DEV and QA teams. Collaboration with Development, QA and other teams to ensure a smooth transition of deliverables through proper release channels.
* Automated deployment of build artifacts from Jenkins into pipeline environments.

**CLIENT: Herbalife**

**Role: Configuration Engineer.**

**Duration: JULY’2015 to Jan’2017.**

**Environment: SVN(VISUALSVN) and Tortise SVN client, Jenkins, ANT, MAVEN, Shell (bash), Apache Tomcat Application Server, Java/J2EE, Linux, windows Family and MySQL.**

**Contributions:**

* Administrated the Linux servers and License (FS Request) from the Red Hat.
* Worked with internal wintel teams to build the new VMs to setup the environments.
* Responsible for versioning the source code, releasing binary files and tagging on source files and release files.
* Worked on **Visualsvnserver** as subversion server to manage repositories, branching and merging.
* Helped the Dev teams on code merge conflicts and access issues.
* Administered **Jenkins continuous integration** server.
* Automated application packaging and deployments.
* Managed staging and testing environments.
* Established coding standards and enforced them through automated tools.
* Educated team about continuous integration and automated testing practices and supported them throughout application release.
* Configured **Jenkins** to implement **nightly builds** on daily basis and generated change log that includes changes loggedpast 24 hours.
* Connected continuous integration system with different tools as part of CI process and CD Process.
* Created multiple **ANT, MAVEN and Shell** scripts for build automation and deployment.
* Defined branching and merging strategies agile sprint releases.
* Documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
* Deployed Java/J2EE applications on to **Apache Tomcat** application servers and configured **it** to host the wiki website.
* Coordinated with software development teams and QA teams on issues and resolved the problems.
* Performed the detailed monitoring on servers for space, CPU, RAM, identify the process and kill if there is high consumption on specific processes.
* Automated the manual tasks using script and scheduled from Jenkins by running periodically.