Name: **Bharathimuppalla**

Email:**bharathimuppalla@gmail.com DevOps Engineer**

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### Professional Summary:

* Having 3.2 years of experience as a **DevOps, Build and Release** engineer.
* Experience in setting up project baselines, branching strategies, merging and taking regular backups of the source code.
* Experience in administration, maintenance of source control management systems, such as **Sub Version (SVN), a**nd **GIT**.
* Strong knowledge on Administration and configuration activities on **GIT**.
* Worked as **GIT** administrator as part of my role and monitored the repository for various issues.
* Extensive experience in using Build Automation DevOps tools like **ANT, Maven,** and **Jenkins/Hudson.**
* Handful experience on **continuous integration**(**CI**) and **continuous delivery**(**CD**) using **Jenkins**
* **Maintaining continuous build automation – currently implemented with Maven and Ant run within Jenkins.**
* **Experience in AWS services EC2, ELB , Auto scaling configurations Cloud Formation, Snap Shots etc.**
* Proficient in implementing and adapting to Release/Change Management Process.
* Exposure to **administration of servers** such as **Apache Tomcat, Apache2.**
* Experience in **Build, Package and Deploy** to all the environments by targeting to **Tomcat, Apache.**
* Deploying, configuring, managing, Master and Agent machines using **chef**.
* **Configuring** and **maintaining Chef** Master Server, creating modules and pushing them to chef clients.
* Strong use of Shell scripting languages including BASH for Linux, windows platforms.
* **User Administration in Linux** such as adding a new user account, modifying, deleting user account and granting sudo access based on the requirement.
* Hands on experience on remote tools **SSH, SCP, WinSCP and Putty**.
* Good hands on to support for multiple environments and as well as communicating with different teams.
* Knowledge on **AWS EC2 instance provisioning** and **orchestration**.
* Hands on experience in daily activities like Disk Management and User Management issues.
* Utilized **Linux adminskills** on deployment servers to make sure the servers are up and running as expected.
* Extreme knowledge about **CI/CD integration**
* Managing artifacts repositories by using **Nexus Repository Manager**
* Participated in release level discussions and gone through the total **SDLC and Agile process.**
* Proficient knowledge on machine provisioning and orchestration using configuration management tools like **Chef** and **Ansible** in **AWS** cloud infra environments.
* **Labeling/Branching/Merging and other SCM work (currently using Git, Subversion).**
* Hands on experience in configuring and maintaining the Webserver like Apache, Tomcat like App servers.
* Worked on **Docker** containerization.
* Configuring the **Docker** containers and creating Docker files for different environments.
* Took Part in DevOps implementation pilot program and was trained in DevOps methodologies and tools like **Chef**, **Ansible** etc.

### Work Profile:

* Worked as a Software Engineer for **TCS**, from Dec2015 to present

### Educational Qualifications:

* **B.TECH** from JNTU KAKINADA University in, Guntur, 2015.

### Technical skills:

|  |  |
| --- | --- |
| **Operating Systems** | RedHat, Ubuntu, CentOS |
| **Version Control Tools** | Subversion and Git |
| **Build Management Tools** | Ant & Maven |
| **Scripting Languages** | Shell script |
| **Application Servers** | Apache Tomcat |
| **Web server** | httpd, Apache2 |
| **Continuous Integration Tool** | Jenkins |
| **Configuration Management Tool** | Ansible and Chef |
| **Containerization tool** | Docker |
| **Cloud** | AWS |

### Project Experience:

Project Experience: -

**Client** : **DevOps Support for leading US Bank**

**Role : DevOps Engineer**

**Environment**  : **Maven, Jenkins, Ansible, AWS, Apache2, Tomcat Git, Docker, MYSQL**

**Duration**  : **May 2018 – Till Now**

Responsibilities: -

* Developed and implemented **Software Release Management** strategies for various applications according to the agile process.
* **Installed, Configured** and **Administer Jenkins** as a continuous integration tool.
* Developed build and deployment scripts using **Maven and Docker** as build tools in **Jenkins** to move from one environment to other environments.
* Wrote **MAVEN** to automate the build process.
* Developed automation framework for **Application Deployments** to the cloud environments.
* Configured **Docker** container for branching purposes.
* Implemented **AWS** services using **EC2, Elastic Load Balancer, Auto scaling groups,Optimized volumes** and **EC2** instances.
* Deployed **Ansible** for configuration management to existing infrastructure.
* Used **Ansible** to automate Configuration management
* Performed **Branching, Tagging, Release Activities** on **Version Control Tools**: **GIT.**
* Automated the cloud deployments using **AWS Cloud FormationTemplates** and creating **Stacks**.
* Supported and developed tools for **Integration**, **Automated Testing** and **Release Management**.
* Responsible for **User Management, Administration, Group Management, Slave Management, new job** setup in **Jenkins**.
* Used **Maven** as build tool on **Java** projects for the development of build artifacts on the source code.
* Implemented rapid-provisioning and life-cycle management for **Ubuntu Linux** using **Amazon EC2Instances.**
* Performed and deployed **Builds** for various environments like **QA, Integration, UAT** and **Productions Environments**.
* Troubleshoot and resolved Build failures due to infrastructure issues reduced by 95% stabilizing the build process. Setup and executed process to code review system effectively.
* Responsible for defining **Branching & Merging** strategy, **check-in policies, improving code quality,automatedGated Check-ins**, defining backup and archival plans.
* Troubleshoot **Build** and **Deployment** issues, with little downtime.
* **Organized** and **CoordinatedProduct Releases**, work closely with **Product Development, QA,Support** across global locations to ensure successful releases.
* Documented release metrics, software configuration process. Used **Maven** scripts to build the source code. Supported and helped to create **Dynamic Views** and Snapshot views for end users.

**Project Experience: -**

**Client** : **DevOps Support for leading US Bank**

**Role** : **Build and Release Engineer**

**Environment**  : **GIT, Jenkins, Shell, Apache Maven, Docker, Chef, MYSQL, AWS**.

**Duration**  : **Nov 2015 – May 2018**

**Responsibilities:**

* Responsible for Software Configuration Management, Installing Software and maintaining the Build Environment using **Chef**
* Planning & scheduling build release time, Reviews coding
* Administered **Maven** repositories source tree and user account administration, branching, merging, patch fixes, snapshots, and training users on the systems.
* Perform Build and release process through Maven
* Used Maven as a build tools on java projects for the development of build artifacts on the source code.
* Managed **GIT** Hub Enterprise and Automated current build process with **Jenkins** with proposed Branching strategies to accommodate code in various testing cycles.
* Updated existing shell scripts to reflect GIT changes
* Updated all the Jenkins Continuous Integration jobs, dependent jobs, snapshot jobs, release

jobs, DB deployment jobs to reflect GIT changes

* Installed and Configured Jenkins and Jenkins slave machines.
* Implemented DB deployment jobs from **Jenkins**.
* Implemented multi-parallel jobs in Jenkins which does CI, packaging, Sonar job and deployment job to difference environments such as DEV, TEST and PROD
* Utilized Linux Admin skills on deployment servers to make sure the servers are up and running and user, group activities.
* Designed and written script for various deployment like QC, IT, Prod
* Responsible for continuous Integration(CI) and continuous Delivery(CD) using Jenkins.
* Periodic generation of reports on releases processed and deployments made
* Responsible for view creations and setting up of config spec according to the project requirement
* Create **Chef Recipes**, automation tools and builds, and do an overall process improvement to any manual processes.
* Written multiple **cookbooks** in **Chef**.
* Using web-frontend altered configuration data in chef's node database.
* Created chef (data bag) driven configuration of user accounts.
* Managed package/apt build system and package repositories.
* Responsible for creating Labels, jobs, nodes in Jenkins.
* Perform the Local Build & provide the latest Baseline & Branch for the development activity
* Deployment of the Business processes by creating WAR File to Tomcat Application Server
* Tracked and deployed technical requirements in projects for the release of software
* Handled projects from compilation to delivery of software components
* Executed project under software release life cycle.