# Devops engineer with 5.5 years

# RAMYA E

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* 5.5 years in **Devops, Build and Release Engineer.**

## SKILLS SUMMARY

* Operating System : **Windows, Linux**
* Source code control tools : **Git, GitHub**
* Cloud and IaC : **AWS and Terraform**
* Build Tools : **Maven, Ant and makefile**
* Container : **Docker**
* Continuous Integration : **Jenkins**
* Bug/Defect Tracking Tools : **Jira**
* Scripting Languages : **Shell scripting**
* Configuration Tools : **Ansible**
* Cloud Environments : **Amazon Web Services, Terraform**
* Container Orchestration tool : **Docker, Kubernetes**
* other tools : **SonarQube, JFrog**

## EXPERIENCE HIGHLIGHTS

Organization : **Tataelxsi**

Duration :  **Jan 2016 - Till date**.

### Role : DevOps Engineer, Build and Release Engineer

**Project: TataElxsi**

**Providing software for setup box, features like changing channel, recording channel, live pause, while playing one channel record other etc**

**Roles and Responsibilities:**

* Experience with IaC using **terraform**
* Experience with setting up build and deployment automation for cloud services using **Terraform** scripts
* Experience in setting up the build and deployment automation for terraform scripts using Jenkins
* Deployed configuration management and provisioning to Terraform, involved of automated deployment of EBS on to the aws EC2 instances and automated the complete
* CI/CD processes in the framework of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools
* Worked on **Kubernetes cluster** to manage containers and deployments
* Working on Linux and Scripting languages (Bash, Shell)
* Proficient with various development, testing and deployment tools - **Git, Jenkins, Docker, Kubernetes, Ansible, Docker.**
* Tuning of Long running builds.
* Frequently committing the code to the version control system.
* Have worked on server automation, configuration management tool like Ansible
* Involved in writing playbooks in ansible.
* Setting up environments like Load Balancers, Application servers and Database servers using AWS. Using AWS security groups and iptables to keep the environments secure
* Familiar with AWS services like **EC2, S3, ELB, VPC, EBS**, IAM etc.
* Responsible for Environment Management and deployment automation, provision the infrastructure of windows and Linux environments. In addition, developing and supporting day to day release builds and deployments, improving existing infrastructure and services with upgrades, and consolidate existing tools.
* Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.
* Troubleshoot problems arising from Build failures and Test failures.
* Build and deploy tools to make smooth pipeline transition in pre-production environments.
* Managed Sonatype JFROG artifactory repositories to download the artifacts during the build.
* Good experience in working with a team together to deliver best outputs in given time frames.
* Responsible for installing Jenkins master and slave nodes.
* Perform Build activities using Maven and Jenkins tool.
* Verify Deployments logs to check for successful deployments.
* Maintenance of source code in GIT. Branching, codes merging between the branches
* GIT administration at contributor and collaborator level.
* Administered Continuous Integration tools Jenkins
* Involved in Deployment of the application using Tomcat
* Having experience on Docker and **Kubernetes**.
* Knowledge on Prometheus for **kubernetes** **monitoring**.
* Experience in creating deployements,services,ingress in Kubernets
* Creating the own docker file when ever created own Docker image pushed to private registry.
* Managing/Tracking the defects status using Jira.
* Trouble shooting and resolved Issues in DEV/Test Environment.
* Co-work with the globally distributed Development team to fix the Build related issues
* Writing shell scripts to automate manual and repetitive tasks. Responsible for modifying and tuning existing scripts.
* Work with customers and other teams to troubleshoot customer environments to increase user satisfaction.
* Taking Care of Patch and Load build Requests from Development Team.
* Generate report and send an email to managers about status of daily builds and weekly builds.
* Documenting SCM guide and responsible for maintaining it.
* Proven Track record in meeting the goals and delivering the deliverables within deadlines without slippages.
* Worked on GIT code repositories: source tree and user account administration, branching, merging, patch fixes, snapshots, and training users on the systems.
* Worked on scheduling builds using cronjob and handling patch build requests.
* Performed build and release of all software cycles engineering, test, production,Update, patches, and maintenance. Wrote scripts in GNU make, Perl, bash to automate the build release processes. Debugged build failures.
* Oversee that the team is complying with the process.
* Assessing the impacts of the software being integrated and be able to provide a status or snapshot of the overall stability of weekly software releases that you will be responsible for delivering.
* Established, documented, and enforced version control guidelines and procedures. Wrote development environment and tools guidelines for new hired software developers.
* Automated builds and deployment of back-end, Front-end using Jenkins CI tool with automated code backup and restoration solution.
* Implement best practices around application and configuration management.
* Supporting daily and weekly builds to various environments including PROD go live release.
* Makes sure that the environment is up all-time including PROD and PRE-PROD environments.
* Administered version control system: created accounts, branching, merging, patch fixes, snapshots, and trained users on the version control system. Managed daily builds and releases to QA.
* Debugged build failures and worked with developers and QA personnel to resolve related issues.
* Good understanding to debug or specify major component areas where major bugs or build failures occur.
* Experience in configuration management and release engineering in multiple- branches environment.
* Responsible for creating branches, merging and resolving merging conflicts.
* Define release policy and planning.
* Experience on AWS services like EC2 and S3.
* Installed and worked on Docker.
* Worked on Ansible. I am a beginner in Ansible and I can write small playbooks.

**Project:** Virtualize computing from the data center to the cloud to mobile devices, to help our customers be more agile, responsive, and profitable.

* Involved in Dockerizing all the services and applications.
* Implemented testing environment for Kubernetes and administrated the Kubernetes clusters.
* Deployed and Orchestrated the applications with Kubernetes.
* Working knowledge of Container Management and Orchestration Software like Dockers, Kubernetes and Terraform.
* Proactive performance management with High Availability setup of environments to ensure the site is always speedy using containerization and orchestration tools with Docker and Kubernetes.
* Strong knowledge on shell Script and Groovy Scripting
* Primary responsibility for the maintenance, management, and streamlining of all of our Jenkins, Ansible, Docker, Kubernetes and Application servers, external processes and hosted services.
* Owning and improving our build and deployment processes with Kubernetes Cluster.

## ACADEMIC CREDENTIALS:

* Be - Electronics & Comm Engineering - Sri Siddhartha Institute Of Technology, Tumakuru - Sri Siddhartha Academy Of Higher Education
* 12th - Sharadamba Independent Science Pu College, Tumakuru - Karnataka Board Of The Pre-university Education, Bangalore
* 10th - Government High School, Ikkanur, Hiriyur Taluk - Karnataka Secondary Education Examination Board

Date of birth: 09/07/1992

Pan number: AFEPE5968G