DevOps Engineer with 6 years

**Prathap K J**

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To work in an environment that would hone my technical capabilities and interpersonal skills benefiting the organization and myself.

# ***Technical Skills***

* **Kuberenetes**
* **Linux, UNIX**
* **Terraform**
* **Groovy Scripting**
* **Jenkins, Pipeline**
* **Maven, ANT, Makefile**
* **JIRA, Bugzilla,**
* **GIT**
* **Linux Build Server, apache,**
* **LDAP, GIT**
* **Shell Scripting**
* **AWS**
* **Ansible**
* **Docker**
* **Nagios, SonarQube, Helm Chart**

# ***Education***

* BE -- East West Institute of Technology , Bangalore - Visvesvaraya Technological University
* Diplamo - D.Banumaiah's Polytechnic , Mysore - Board of Technical Education
* SSLC - ST.Phelomina's Boys High School , Puttur , DK - Karnataka secondary Education Examination Board

# ***Experience***

## June 2015–Till date

### Devops and Build release Engineer | Calsoft Labs | Bangalore

# ***Technologies***

**Linux/Unix, Shell Scripting, GIT, GITHub, Gerrit, Pull Request, Maven, Ant, Makefile, Jenkins, CI-CD using Jenkins Pipeline, Apache Tomcat, JIRA, Bugzilla, AWS, Docker and Docker Swarm, Kubernetes, Ansible,Terraform, Sonarqube, Artifactory, Helm Chart.**

**Project Descripton:** software for product engineering services partner in Storage, Networking, Virtualization, Cloud, IoT and analytics domains

# ***Professional Skills***

* Setting up Jenkins and Docker based builds in AWS.
* Automating environment build and provisioning using containerization and orchestration tools with Docker and Kubernetes.
* Hold good understanding of Infrastructure as Code (Programmable Infrastructure), and how to achieve that by using Terraform.
* Written terraform scripts to provision an image in automated way to address infrastructure needs
* Developing Docker images to support Development and Testing Teams and their pipelines; distributed Jenkins and Ansible on docker images.
* Experience working with CI/CD implementation of Microservice based Architecture.
* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed.
* Hold an excellent experience on automation/ integration tools like Jenkins
* Create and maintain fully automated CI/CD pipelines for code deployment
* Acquire experience on AWS cloud computing with Docker.
* Have working experience on container orchestration systems such as AWS ECS
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including patches, and scaling
* Reduced costs by eliminating unnecessary servers and consolidating databases
* Wrote Playbook and modules to deploy, configure, and manage servers
* Maintain the code base across several versions.
* Maintain Build and Release Tools and develop new tools as required.
* Design and documenting Project configuration management and release processes.
* Automated nightly build, test, and reporting mechanisms.
* Prepare the code base for the build.
* Experience in Configuration management and release engineering in multiple projects and multiple-branches environment.
* Tuning existing scripts and written scripts to make my life easier in the work
* Giving knowledge to developers about version control and build/release concepts.
* Worked on docker and setup Jenkins on docker.
* Responsible for supporting the full software development lifecycle by designing, implementing and maintaining support tools, namely source control management, continuous integration, continuous delivery, repository systems, etc.
* Involved in improving service reliability using DevOps methodology, by creating, optimizing and automating operation focused processes.
* Proficient in bash shell scripting
* Supervise troubleshooting and resolving issues in production environments
* Acquire proficiency with GIT and GIT workflows
* Procure good knowledge on source control tools like Git and good understanding of branching, merging and resolving merging conflicts.
* Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status
* Engaged in discovering and addressing operations shortfalls and solutions supporting development, QA and production support teams.
* Give importance in seeking quality and cost savings by automating any process we execute more than once.
* Responsible for managing the Source Code repository for Core Informatics products and customer implementations
* Involved in designing, implementing and managing, branching and merging mechanism
* Responsible for releases, doing builds and managing build system
* Debug build failures and worked with developers and QA personnel to resolve related issues.
* Excellent experience in DevOps stack (CI & CD) and other dependency management and build tools such as GIT, Jenkins, Maven, Ant
* Have attain proficiency in written and verbal communication skills
* Able to work in a fast paced, constantly expanding environment
* Able to troubleshoot and resolve internal and customer problems in a timely manner
* Strong communication, interaction and customer service skills with end customers and staff members
* Work with customers and other teams to troubleshoot customer environments to increase user satisfaction
* Flexible and adaptable; able to work in ambiguous situations.

# ***Project***

Scripting Toolkit: Offers a seamless integration of customers with the built-in CLI feature and enables them for multi-server deployments. The Scripting Toolkit provides a flexible way to create standard server configuration scripts to automate many of the manual steps in the server configuration process. This automated server configuration process cuts time from each server deployed, making it possible to scale server deployments to high volumes in rapid fashion. Since the commands are executed remotely there is no OS dependent tools required to perform the task.

**Roles and Responsibilities:**

* I acquire strong experience in enterprise application integration including APIs, Web Services, Micro Services, Containerization - Kubernetes
* Experience with AWS - including but not limited to EC2, S3, RDS, IAM, Redshift, and Route53
* Automated and Orchestrated workloads across multiple public cloud providers.
* Proficiency in scripting languages such as Shell, Bash, Python
* Building and deploying large-scale Java web application, Experience with highly available / responsive system.
* Been following SCM practices, such as branching and code merge
* Solid experience with Linux (Ubuntu, CentOS) administration.
* To work effectively within a team and with minimal supervision
* Administration Experience in GIT. Proficient with Git and Git workflows, Branch creation and tags using GIT.
* Experience with container orchestration systems such as AWS ECS or Kubernetes.
* Experience with server-side technologies such as Apache, Nginx.
* Shell programming experience with Bash, strong command-line.
* Experience with server monitoring systems like Nagios.
* Server automation with Terraform and Ansible/Puppet or other configuration management  
  tools
* Experience with continuous integrations systems, Jenkins
* Trouble shooting issues Related to these tools. Supporting Developers in day to day Activities.
* Handling all the releases such as Maintenance Release, Emergency Release and Launch of new projects.
* Analyzing application logs in order to determine the possible cause of issues and reporting errors directly to the Dev team.
* Managed Daily Builds and Releases to QA and Debugged Build failures and worked with developers and QA people to resolve related issues.
* Helping Testing Team by making sure that all the backend jobs work effectively at the time of QA and UAT.
* Patches creation and releasing the patches to developers.
* Setting up the cronjobs for loads and releasing the loads to the developers.
* Responsible for tagging and maintain code on version control CVS.
* Bugzilla Activities.
* Date wise Daily keeping track all the Script.
* Making Application, Reports and Script ready for the Release on time.
* Troubleshooting application related issues by log verification.
* Debugging Build & Release related issues.
* Creation of software configuration management Planned documents
* Sending daily, weekly extracts to customers and Taking weekly back-ups.
* Client Interaction with high Risk and Doing smoke testing for same and fixed the related Issue Immediately.
* Maintaining Release Owners Page & Software loads page as per the update.
* Workspaces clean up as per the update.

# ***Personal Details***

Date of Birth : 16/07/1982

Languages Known : English, Kannada and Hindi.

Father : Jagadeesha K B

# ***Declaration***

I hereby declare that all the above-furnished details are true to the best of my knowledge

Prathap K J