

k.A.P.vijaykumar
DevOps Engineer

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Skills Summary

- Having 8 months of **IT** experience as **DevOps Engineer** in automating, building, deploying and releasing of code from one environment to another environment.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile**, scrum methodologies.
- Worked on tasks like creating and maintaining the repositories in **GIT**
- Experience in using **Maven** as a build tool for building deployable artifacts (WAR & EAR) from source code.
- Managed various environments like DEV, QA and PROD for various releases and designed instance strategies.
- Installing, Configuring and maintaining **Continuous integration**, Automation and **Configuration Management tools**.
- Extensive experience with **CI tools (Jenkins)**.
- Hands on Software Configuration Management, Experience of using **Jenkins** as Continuous Integration Tool, Maven for build automation.
- knowledge of **GIT** and **Jenkins** Continuous Integration Server – Installation, Configuration, Design and Administration, plus experience of extending and integrating these tools with other systems, platforms and processes using Java, Shell Scripting etc.
- Application Deployment and environment configuration using **Ansible**.
- Extensively used ansible **ad-hoc commands** instead of using ansible playbooks for every small task ansible
- Responsible for **creation** and **uploading** management of **Ansible playbooks**.
- Regular builds, monitoring **Cron Jobs**, and reporting status.
- Clear understanding of deployment concepts of **Tomcat/Apache** apps.
- Experience in configuring and deploying Java applications into application servers (Apache Tomcat).
- Extensive experience on creation of Slave Nodes and Managing Nodes.
- Extensive experience on **Jenkins, Git** for continuous integration and end to end automation for all build and deployments.
- Involved in setting up **JIRA** as defect tracking system and configured various work flows customizations and plug-ins for the JIRA bug/issue track.
- Experience working on several **Docker components** like **Docker Engine**, Hub Machine, Creating Docker images, **Dockerfile** for different environments.
- Responsible for creating of **Dockers images** and pulling images from **Docker Registry**.
- Good knowledge on LINUX Environment.
- Hands on Experience on Basic commands like **grep , find** also **User , Group and ACL's Management**.

AWS Cloud

- Extensively used **Launch configurations** and **AutoScaling** to provide high availability to **EC2** machines and effectively used scaling policies based on web traffic.
- Well understanding of both **system status checks** and **instance status checks** and how to trouble shoot if system or instance fails.
- Complete Knowledge of enabling **versioning** on some important data to provide security from accidental deletion and to roll back to previous versions.
- Complete hands on experience in managing IAM service to administer AWS resources effectively.
- Created many **user accounts**, placed users into their respective **groups** and given limited privileges directly to users as well as groups to have better security.

- Good knowledge in working with **IAM roles** to have password less access to all AWS resources to provide security.

Good hands on experience in working with all kinds of routing policies to route the traffic based on our requirement like **Simple, Weighted, Latency, Failover and Geolocation** routing policies.

Work History

- Working as a DevOps Engineer with **BelfricsBT , Vizag** from October 2018 to till 2nd june 2019

Academic Profile

- Graduated as Bachelor of technology (CSE) under JNTK in the year 2012-2016 with an aggregation of 65%.
- Completed Intermediate from the Board of Intermediate Education in the year 2010-2012 with an aggregation of 76%.
- Completed S.S.C from the Board of S.S.C of Andhra Pradesh in the year 2010 with an aggregation of 71%.

Technical Skills

Operating Systems	Linux and Windows
Version Control/Repository	Git ,GitHub
Build tools	Maven
Continuous Integration Tools	Jenkins
Configuration Management Tools	Ansible
Containerization	Docker
Cloud Services	AWS(EC2,ELB,IAM,ROUTE53,RDS,VPC,S3)
Application Servers	Apache Tomcat
Scripting Languages	Shell Scripting
DataBases	MySQL

Project : **payroll application**

Client : **Belfrics**

Description :

Belfrics Private Limited is an Crypto Currency Company provider based in Singapore malaysia wanted to improvise and enlarge their business we have built an web application called Payroll .which maintains all the employee details , work efficiency ,timesheet entries , skill matrix and checklists.this is global for all over branches of Belfrics and other clients the whole Data is stored on Blockchain

Key Responsibilities Handled:

- Complete understanding of source code management, version control system like **GIT** its working process and advantages over other SCM tools.
- Used Git extensively in each and every project to store all kinds of code.
- Good practice knowledge in using git commands like git pull, git push, git fetch, git clone, git log and other git commands.

- Complete depth understanding of **maven** build life cycle and maven goals.
- Good hands on experience in integrating many tools with **Jenkins** like **git**, **maven**, **ansible**, **tomcat** webservers.
- Good practice experience in creating **free style projects** and **maven projects** and dependency projects.
- Established complete Jenkins CI-CD **pipeline** and complete workflow of build and delivery pipelines.
- Configured many scheduled projects so that they can run frequently without manual trigger.
- Responsible to establish complete pipeline work flow starting from pulling source code from git repository till deploying end product into servers.
- Created many user accounts in Jenkins and given limited privileges to them to ensure security is there in each and every stage by using Jenkins roles.
- Created many **slaves** to take the work load from Master Jenkins server.
- Good hands on experience in installing and configuration of **Ansible**.
- Good knowledge in using multiple **ansible modules** as and when required and their usage.
- Complete hands on experience in writing **YAML script** in various playbooks.
- Used **variable** section in many playbooks to take the advantage of variables instead of hard coding.
- Good complete hands on experience of using Ansible roles by including all sections inside ansible playbook.
- Launched Web servers in Public SN through **Auto scaling** and connected to **load balancer** to distribute traffic as well as to provide high availability.
- Good understanding in dealing with **NACLs** (Network Access control Lists) and **Security Groups** to restrict and allow ports to provide security at subnet level and instance level respectively.