**7.5 of Experience (DevOps engineer)**

**Yathisha H K** Email: yathishahk257@gmail.com

**Devops Engineer** Mobile No: 74115 64517

# Career Objective:

To take a challenging role as DevOps Engineer and implement an efficient & effective solution that would help the organization to achieve the best solution and also to excel in all my endeavors thereby enabling growth of my colleagues, team members and the organization at large.

**Professional Summary:**

* Hands on with container systems like **Docker** and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Worked on **docker** and written docker file, optimizing docker image size using multistage build
* I worked on **Kubernetes** to deploy and manage applications
* Performed rolling updates on the deployed applications in **kubernetes** cluster.
* Working on creating YAML definition for new microservices.
* Managed aws infra using **Terraform**(IaC)
* Deployed configuration management and provisioning to **Terraform**, involved of automated deployment of EBS on to the aws EC2 instances and automated the complete environment on aws
* Created the multiple Terraform modules to manage configuration, application, services and automated installation process.
* Creating Kubernetes package manager using helm charts to combine YAML manifests into a single packages and deploying
* Experience in Amazon Web Service resources like **EC2, VPC, S3, IAM, ELB, RDS, Route 53, Auto Scaling and Cloud Watch.**
* Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, EBS volumes; to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
* Managing AWS instances via monitoring tool and action the alerts accordingly.
* Managed multiple AWS accounts with multiple VPC’s for both production and non-production.
* Configured and managed VPC with Subnets, security groups, NACL, IGW etc.
* Configured and managing Load balancer.
* Configured and managing **S3 storage**.
* Created AMI images of the critical EC2 instance as backup using **GUI**.
* Experience in Configuration management tool like **ANSIBLE**.
* Experience in Distributed Version Control Systems like **GIT and GIT Hub.**
* Strong knowledge on source controller concepts like **Branches, Merges and Tags**.
* Experience in CI/CD Tools like **JENKINS**.
* Extensively worked on **Jenkins** by installing, configuring and maintaining for the purpose of continuous integration (CI) and for **End to End automation** for all build and deployments.
* Provided framework for automated deployment in **Tomcat** environment.
* Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and team work environments.

**Technical Skills:**

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| --- | --- |
| Cloud Based Environment and IaC | **AWS and Terraform** |
| Configuration management | **Ansible**  |
| Containerization tool  | **Docker** |
| Monitoring tool | **Cloudwatch**  |
| SCM Tools  | **GIT, GitHub** |
| CI/CD | **Jenkins**  |
| Ticketing Tool | **JIRA** |
| OS and Scripts | **LINUX**(**Red Hat 4/5/6)/UNIX & Windows and shell scripting, groovy** |
| Container Orchestration  | **Kubernetes** |
| Web/Application Servers | **Apache Tomcat, Nginx** |

**Educational qualification:**

* BE - RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN - VISVESVARAYA TECHNOLOGICAL UNIVERSITY

**Project Experience: Jan 2014 to Till Date**

* Company : Cerner Healthcare from Jan 2014 to till date
* Environment : Linux, Maven, ANT, Makefile, Tomcat and Jenkins, AWS and GIT
* Role : Devops Engineer

### **Responsibilities:**

* Worked on **AWS EC2cloud, VPC** setup and configurations, **AMIs, EBS, S3,** and **Cloud Formation, ELB**, **cloud watch**.
* Managed **multiple AWS accounts** with **multiple VPC’s** for both production and non-prod where primary objectives included automation, build out, integration and cost control
* Exclusively worked on **windows** & **Linux AMI** for hardening.
* Enterprise and Premium support for **EC2** infrastructure.
* Build, manage and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment.
* Manage the Source code to have Latest version of code available from production releases.
* Experience in Setting up **GIT repository** setup in **GITHUB**  and **Branching** and **Merging Model**.
* Supporting engineering plans and schedules by providing **Release Engineering services** to build, deploy, develop scripts, oversee branch and merge strategies and build automated tools as necessary to offer services to engineering team.
* Performed **DevOps** for **Linux** and **Windows** platforms.
* Monitored developed applications and fixed bugs.
* Created a continuous delivery pipeline from the ground up built with **GIT** and **Jenkins** for Target's Finance Integration Team.
* Maintained **GIT repositories** for **DevOps environment automation code** and configuration.
* Developed automation and deployment utilities using **shell scripting**.
* Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions.
* Scheduling snapshots of volumes for backup and find root cause analysis of failures and documenting **bugs and fixes**; scheduled downtimes and maintenance of cluster.

**Personal details:**

Name : **Yathisha H K**

Date of Birth :12-07-1992

Gender : Male

Father’s Name : kalappa

Nationality : Indian

**Declaration:**

I do hereby declare that the particulars of information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

**Date: Yathisha H K**