

# DARSHAN K MISTRY

DEVOPS ENGINEER

Website: - [1111darsh.com](http://1111darsh.com)

Mobile No.: +91 9727977391, +91 8200955211

Email: - [1111darsh@gmail.com](mailto:1111darsh@gmail.com)

Linked ID: - [1111darsh](#)

## CAREER HIGHLIGHTS

- ✓ Having a Good Professional experience with 1 year 4 Months including 7+ months "Work from Home" Experience.
- ✓ Worked in a GCP and AWS the main cloud Platforms with overseer access
- ✓ Oversees 25+ Servers with appropriate monitoring in a current profession with great Linux hands-on.
- ✓ Configure Jenkins as bare-metal on Linux, Mac or Windows server, or Docker Container
- ✓ Able to creates and manages Freestyle, Pipeline, and Multibranch Pipelines Jobs
- ✓ Knowing to set up a Different type of credentials in Jenkins
- ✓ Easily setup Scripted and Declarative Jenkins file
- ✓ Set up master-slave architecture to build efficient handle a Jenkins load
- ✓ Design a new infrastructure diagram on draw.io.
- ✓ Professionalism to deploy `MEAN`, `MERN`, `MEVN`, `LAMP`, `LEMP`, `LLMP`, `LAPP`, `LEAP`, `LEMP`, `LAPP`, `LEAP`, `LLMP` on AWS. GCP, bare metal, Docker, and Kubernetes and Monitor them.
- ✓ Easily set up a docker over the Mac, Linux, or Windows system, and Cloud platform
- ✓ Familiar with Docker Network to isolate docker containers from the internet
- ✓ Debug containers using logs and get into the docker container
- ✓ Write Docker-compose files to deploy multiple services in a minimum time.
- ✓ Have experience in creating Dockerfile.
- ✓ Sets a private Docker Registry on AWS
- ✓ Can be set up different Docker Volumes
- ✓ Set Up a New Infrastructure over AWS or GCP using EKS and Kubernetes engine.
- ✓ Creates a YAML files with ingress, services, pod, Persistent Volume, StatfulSet.
- ✓ SSL certificate update and overseeing using "Let's Encrypted"
- ✓ Monitoring Server, SSL certificates, Memory, CPU uses in Nagios setup.
- ✓ Create a new infrastructure on AWS with basic security along with VPC environment, AIM rules, load balancer, and good monitoring skill.
- ✓ Setup terraform on mac, Linux, or Windows system.
- ✓ Able to creates a terraform file to create VPC, Internet Gateway, Route table, subnets, security groups, network interface, elastic IP, apache over Linux ubuntu server on AWS Cloud platforms.
- ✓ Manages secrets in terraforms

## WORK EXPERIENCE

### Associate DevOps Engineer

**Borndigital** *October 2019 – December 2020*

#### *Roles and Responsibilities:*

- Manage GCP and AWS cloud as Administrator access
- Linux administrator
- Manage all Linux server with Good monitoring
- Created a shell/bash script
- Made command-line tools and API using python scripting
- Manage monitoring tools (Nagios)
- Created a private VPN to securing a network
- Plane deployed and manage own VPN cloud using Wireguard
- Manage Jenkins and CI/CD Tools
- Handle Docker environment
- Created dojo bitcoin (Node)
- Manage SSL certificate and maintain it using let's encrypt
- Designed and Deployed new infrastructure in AWS with s3, VPC, subnets, Load balancer, Cloud watch

**Bachelor of Engineering** (Computers Science and Engineering) *2015-2019***Result:** - 7.70(CPI)**College:** - Faculty of Engineering Technology and Research**University:** - Gujarat Technological University**Higher Secondary School Certificate** (Science) *Passed at March 2015***Result:** - 75.97 Percentile Rank**School:** - L.M.P. Reva experimental High School & Sheth Shri M.C.Z. Shah Higher Secondary School**Board:** - Gujarat secondary & Higher secondary Education Board

## PROJECTS EXPERIENCE

**Project 1: Creating a Workflow using a version control system and track software.****Description:** Handling number of developers on a single project and also tracking work done in software development.**Roles and Responsibility:**

- Setup a git environment on developer system and with remote repository.
- Make branches for a developer and manage git-flow.
- Track projects and configure them

**Project 2: Containerize Flask application with mongo DB****Description:** Deploy two Independent containers in python and mongo dB and Link them with each other.**Roles and Responsibility:**

- Create a Docker file to run the flask application.
- Create a mongo DB container and link it with the flask application
- Make a Docker-compose file to run this service with using the simple build command

**Project 3: Automating WordPress application using Kubernetes****Description:** Creating an environment to run WordPress web application on Kubernetes with more than 3 replicas.**Roles and Responsibility:**

- Set up a Docker and Kubernetes environments
- Deploy pod with replicas to run WordPress application
- Container orchestration with Kubernetes

**Project 4: Deployment of LAMP and WordPress using Ansible****Description:** set up environment of run Apache server and PHP with MySQL database to run and work on WordPress.**Roles and Responsibility:**

- Linux and ansible installation
- Connecting slaves with the master using SSL certificates
- Configure all server LAMP and WordPress using playbook.
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**Project 5: Create CI/CD pipeline of cauterizing app with monitoring****Description:** Create a CI/CD pipeline using Jenkins and with 2 agent servers.**Roles and Responsibility:**

- Setup a Jenkins master-slave environment
- Setup an ansible master-slave environment
- Develop test and production server, connect it with Jenkins
- Setup Nagios master-slave environments for a monitor service
- Setup a webhook with a two different branch to process code in the different deployment process

**Project 6: Smart Examination****Description:** Developed an Android app to take an examination without lab setup and PHP based server to generate a question paper base on the previous outcome. It was a final year IDP project at Escrow InfoTech.

### Roles and Responsibility:

- Create a PHP API and set address
- Create an android app to work with PHP APIs

### Project 7: Visvesmruti (2018)

**Description:** Developed a Visvesmruti Android App and web site for the college technical festival.

## TRAINING & INTERNSHIP

### DevOps

Completed a DevOps Training from intellipaath with IBM certification.

### Escrow InfoTech, Surat, Gujarat

Completed 1-year internship at Escrow InfoTech, Surat for final year IDP project on Android and PHP.

### Escrow InfoTech, Surat, Gujarat

Completed training at Escrow InfoTech, Surat from 10th May 2018 To 31st May 2018 as Android Developer on Android Studio platform (<http://escrowinfotech.com>)

## TECHNICAL SKILLS

Cloud	AWS, GOOGLE CLOUD PLATFORM
Version control	Git, GitHub
Operating system	Windows, Linux (Ubuntu, Centos and Red hat) server
AWS	IAM, EC2, VPC, SECURITY Group, Route table, CloudTrail, Cloud formation, Cloud watch, s3, amplify, EKS, RDS
GCP	Compute, Computing Engine, VPC, Kubernetes engine, Networking, Firewall, Monitoring
CI/CD	Jenkins, GitHub Action, AWS Pipeline
Configure Management	Ansible,
Monitor	Nagios, Prometheus, GCP monitoring, CloudWatch
Languages:	C, C++, Java, C#, Python, PHP, Bash script, shell script, Awk Script
IAAS:	Terraform, CloudFormation
Design Infrastructure	Draw.io

## CERTIFICATE

- ✓ AWS Solutions Architect Associate 2020 *form Udemy*
- ✓ System Monitoring Tools in Linux *form Udemy*
- ✓ Linux Tips and Tricks *form Udemy*
- ✓ Free SSL Certificate - Comodo SSL *form Udemy*
- ✓ DevOps Certification Training Course Online *form Intellipaath*
- ✓ DevOps Professional *form IBM*
- ✓ Linux Command Line Made Easy *form Udemy*

## DECLARATION:

I hereby declare that the above-mentioned details are true as per my belief and knowledge.

**DARSHANKUMAR MISTRY**