



### CAREER HIGHLIGHTS

- ✓ **CKA | Istio | Helm | Linux | Docker | AWS | GCP | GitOps | Jenkins | Argo CD | Build-Piper | CI/CD | Ansible | Terraform | Automation | Scripting | Disaster Recovery**
- ✓ Having Professional experience with **3 years 10 Months** including 14+ months "**Leading** and Work from Home" Experience.
- ✓ I'm **Certified Kubernetes Administrator** - Certification ID: **LF-e0g7gx1qv3**
- ✓ I'm **Certified DevOps Professional by IBM**
- ✓ I can build **low Latency Base, Highly Scalable, Fault-Tolerant, Secure, Robust, Auto Scalable, Infrastructure.**
- ✓ Automation of resources provisioning using **Terraform** and **Ansible**

### WORK EXPERIENCE

#### DevOps Engineer

**Skuad.io (All remote)** November 2022 – September 2023

##### ➤ **Roles**

###### ✓ **Responsibilities**

##### ➤ **Administration of Kubernetes (k8s)**

- ✓ Created **multiple clusters securely** from secrets.
- ✓ Managed **roles and permissions** within Kubernetes environments.
- ✓ Deployed various services (e.g., node applications, React applications, frontend applications, Python applications) on Kubernetes clusters using **Helm charts** and **Argo CD**.
- ✓ Implemented **cert-manager** for SSL certificate management with Let's Encrypt.
- ✓ Differentiated clusters using **taints, tolerations, and node affinity**.
- ✓ Managed diverse DNS configurations using **Istio virtual services and gateways**.
- ✓ Deployed **cron job** applications using Kubernetes cron jobs.
- ✓ Ensured **100% application uptime through health checks**.
- ✓ Deployed monitoring solutions, including **Loki, Mimir, Feastbelt, Prometheus, Certbot, Grafana, Blackbox, and SonarQube**.
- ✓ Configured **GitLab runners** within Kubernetes clusters.

##### ➤ **Administration of Database**

- ✓ Developed **access-level masking** to enhance data security.
- ✓ Managed **various access types** and streamlined access control using Notion forms.
- ✓ Oversaw database **backup and disaster recovery** procedures.
- ✓ Ensured **the security and restoration** of databases.
- ✓ Managed **MongoDB** databases, including backup and restoration tasks.
- ✓ Orchestrated MongoDB **atlas migrations** for efficient data transfer.
- ✓ Administered access controls and IAM roles. Managed **Bitbucket** and **Gitlab** along with their user

##### ➤ **Administration of ELK Stack**

- ✓ Administered the ELK Stack for centralized log management.
- ✓ Deployed the **ELK Stack on Kubernetes (k8s)** clusters.
- ✓ Created different indices and pipelines for optimized log data handling.
- ✓ Administered access controls and IAM roles. Managed **Bitbucket** and **Gitlab** along with their user

➤ Administration of GitLab - CI/CD

- ✓ Created and managed repositories and GitLab CI/CD pipeline configurations.
- ✓ Established a **centralized repository** for comprehensive application management.
- ✓ Implemented branch-specific deployments with various secret management.
- ✓ Managed access controls, roles, and groups for GitLab projects.
- ✓ Deployed frontend applications from different branches using Vercel for testing.
- ✓ Configured GitLab runners to build applications from **Dockerfiles**.
- ✓ Created different stages within CI/CD pipelines for effective application management, including integration with **SonarQube**

➤ Administration of GCP

- ✓ Managed DNS configurations, firewall rules, and virtual machines (VMs).
- ✓ Orchestrated the deployment and maintenance of applications on VMs.
- ✓ Administered databases, including backup and restoration.
- ✓ Managed **Google Kubernetes Engine (GKE)** clusters and node pools.
- ✓ Ensured backup and restoration processes for Google Cloud Platform (GCP) databases.
- ✓ Managed **Pub/Sub** configurations for GCP.
- ✓ Administered **Redis** for caching.
- ✓ Deployed **Pritunal** Access to manage **VPN** connections.
- ✓ Utilized **LDAP** for application access management.

➤ Mange Infrastructure

- ✓ **Optimized cluster costs** through resource management and cost-saving strategies.
- ✓ Created **disaster recovery** documentation and **implemented recovery processes within a 4-hour timeframe**.
- ✓ Managed Kafka on Confluent.
- ✓ Implemented role-based access control for applications.
- ✓ Managed **Cloudflare** configurations for DNS and Proxify.
- ✓ Deployed applications using **Terraform** infrastructure as code.

## DevOps Cloud Engineer

**Omuni (Arvind Limited)** *April 2021 – July 2022*

➤ Roles

- ✓ **Responsibilities**

➤ Administration of Kubernetes

- ✓ Manage **97+ Microservices** deploy over the Kubernetes cluster
- ✓ Maintain cluster **99.99% uptime** using **3 master** servers.
- ✓ **Increase or decrease worker node counts and HPA Count** at sale time
- ✓ Create *New microservices environments and deploy them*.
- ✓ Create **Deployment, Service and virtual service, Gateway** using **Istio service mash**
- ✓ Take regular **Sprint deployments every** Wednesday
- ✓ Monitor each and microservice using **Prometheus** and **Grafana**

➤ Administration of AWS cloud

- ✓ Manage **ELB, ASG, Target Group, EBS, ECR and EC2** servers.
- ✓ Create new **EC2 servers** as per Requirements and manage their **service group, key pair and volume**
- ✓ Manage **VPC, Route table, Subnets, Elastic IP, NAT Gateway, VPC peering, Internet gateway**
- ✓ Create and manages **RDS**.
- ✓ Create manages and deploy python codes in **Lambda Function**.
- ✓ Create new subdomain and manage it using **Route 53**.
- ✓ Manage **S3** buckets and Objects Lifecycle policy and Access.
- ✓ Manage **SQS Queues** and **IAM users, roles, policies** Manage **Elastic catch** and **Redis CloudWatch** and **CloudTrail**

- Administration of Jenkins
  - ✓ Create integration and deployment **CI/CD** pipeline
  - ✓ Create a cleaning and scripting pipeline
  - ✓ Handle **Jenkins build a package** and Maintain **User's Access**
  - ✓ **Dockerized spring boot application, NodeJS, and Python Application** with Jenkins pipeline
- Administration of Database
  - ✓ Create and Delete **Users, Databases (SQL, NoSQL, MongoDB), Tables, RDS, Servers and collections. Triggers, Index.**
  - ✓ Provide *required access* to Users.
  - ✓ Maintain **database size and free space.**
  - ✓ Regulate **clean-up** using **script** and **lambda function**
  - ✓ **Monitor CPU, Memory, Read-Write operation.**
  - ✓ Maintain **Connectivity** and **Security**
- Administration of Linux Servers
  - ✓ **CPU** and **Memory** management
  - ✓ **Remove vulnerability**
  - ✓ Create and **manage users** and **their access**
  - ✓ **Manages disk** space attach volumes
  - ✓ **Process** and **Port** management
  - ✓ **Troubleshooting** issues
  - ✓ Make **ssh** connections keys and Provides to users
  - ✓ Creates and maintains **SCP server**
  - ✓ Update **SSL Certificate; OpenVPN, and Nessus Licences**
- Administration of Version Control System
  - ✓ Create **repository**, groups and **projects** in bitbucket
  - ✓ Managed **Bitbucket** and **Gitlab** along with their user
- Contributor **Monitoring** and **Logging** task
  - ✓ Manage all Linux servers with Good monitoring using **Prometheus** and **Grafana**
  - ✓ Redesign and implement the **ELK stack** with the Kubernetes cluster
  - ✓ Maintain CPU, Memory, Disk space, Health check, etc. **alerts**
  - ✓ Manage backup of **Elastic Search** and store old logs in **S3**
  - ✓ Upgraded Version of **Application Level Monitoring** software **Pinpoint.**
- Administration of **Proxy** and **Indusface WAF**
  - ✓ Maintain proxy and **reverse proxy**
  - ✓ **Nginx** and **Apache** config management
  - ✓ Create **squid** proxy to maintain traffic
  - ✓ Analyse traffic volumes; traffic threads and block traffic Using **Indusface WAF**
- Administration of Analytics (Windows servers and proxy) servers
  - ✓ Attach disk **restore disk from a backup**
  - ✓ Maintain inbound and outbound traffic
  - ✓ Provide **RDP** Access
- **DevOps Team Maintainer** at a *small level*
  - ✓ Maintain and Assign **prioritize task**
  - ✓ **Lead 5 members** of the **DevOps Team**
  - ✓ Take regular report from DevOps, **Help them**
  - ✓ *Take interviews and Train New freshers*
  - ✓ Redesign *DevOps process*, Create **SOP** documents

- **Cross-team Contributor**
  - ✓ Solves **customer's issue**.
  - ✓ Help other teams to troubleshooting Issues
  - ✓ Create **RCA** reports
  - ✓ Participate in Audit of **SOC2**
- **Others**
  - ✓ **OpenVPN, FreeIPA bastion, Jenkins Users access**
  - ✓ Create **Ansible** playbook and **Terraform** script
  - ✓ Manage a cluster of 3 **Kafka** servers and Manage the 3 **RabbitMQ** servers
  - ✓ Create and Delete **Kafka** and **RabbitMQ** queues
  - ✓ Create Dockerfile

## 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)
  - Creates, deploys and manage private VPN to securing a network, own VPN using Wire guard
  - 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

## CERTIFICATE

- ✓ **Certified Kubernetes Administrator - LF-e0g7qx1qv3**
  - Issuer: Cloud Native Computing Foundation
- ✓ **DevOps Professional**
  - Issuer: Intellipaat
- ✓ **Certified Kubernetes Administrator with Practice Tests**
  - Issuer: KodeKloud
- ✓ **Certified Kubernetes Application Developer**
  - Issuer: KodeKloud
- ✓ **Helm for Beginners**
  - Issuer: KodeKloud
- ✓ **Terraform Basics Training Course**
  - Issuer: KodeKloud
- ✓ **Container & Kubernetes Essentials with IBM**
  - Issuer: Intellipaat (IBM)
- ✓ **Docker Essentials: A Developer Introduction**
  - Issuer: Intellipaat (IBM)

## DevOps

Completed a DevOps Training from intellipaat 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 31th May 2018 as Android Developer on Android Studio platform (<http://escrowinfotech.com>)

## TECHNICAL SKILLS

<b>Cloud</b>	<b>AWS, GOOGLE CLOUD PLATFORM</b>
<b>Version control</b>	Git, GitHub, Bitbucket, Gitlab
<b>Operating system</b>	Windows, Linux (Ubuntu, Centos and Red hat) server, Mac OS
<b>AWS</b>	IAM, EC2, VPC, Route table, CloudTrail, Elastic catch Cloud formation, Cloud watch, s3, amplify, EKS, RDS, ASG
<b>GCP</b>	Compute, Computing Engine, VPC, Kubernetes engine, Networking, Firewall, Monitoring
<b>CI/CD</b>	Jenkins, GitHub Action, AWS Pipeline, GitLab
<b>Monitor</b>	Nagios, Prometheus, GCP monitoring, CloudWatch, Grafana, Pinpoint, New Relic , ELK stack, Datadog
<b>Languages:</b>	C, C++, Java, C#, Python, PHP, Bash script, shell script, Awk Script, Go
<b>IAC:</b>	Terraform, CloudFormation, Ansible
<b>Web Technology</b>	Html, Css, JavaScript
<b>Design Infrastructure</b>	Draw.io

## EDUCATION

### **Bachelor of Engineering** (Computers Science and Engineering) 2015-2019

**University:** - Gujarat Technological University

### **Higher Secondary School** (Science) Passed at March 2015

**Board:** - Gujarat secondary & Higher secondary Education Board

## DECLARATION:

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

  
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**DARSHANKUMAR MISTRY**