DARSHAN MISTRY

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CAREER HIGHLIGHTS

- ✓ **Kubernetes | Disaster Recovery | CI/CD | Automation | Linux | AWS | GCP | Docker | Terraform | Monitoring | Database SQL NoSQL | Scripting | Python | Istio | Helm | Prometheus | Grafana | Ansible | Git-Ops | Argo CD**
- ✓ Having Professional **4 Years of Experience** 2 Years including the **Leading Experiences**
- ✓ I'm **Certified Kubernetes Administrator** - Certification ID: LF-e0g7gx1qv3 and **Certified DevOps Professional by IBM**

WORK EXPRIENCES

DEVOPS ENGINEER | SKUAD.IO (ALL REMOTE) *November 2022 – September 2023*

- ✓ Data masking in **PostgreSQL** led to a **10% reduction** in data breach-related costs, resulting in annual savings of $10000 while ensuring compliance and data security
- ✓ Through the development of **Helm charts** for onboarding new microservices, I accomplished a significant reduction in service provisioning time by 50%, showcasing the ability to streamline deployment processes and enhance operational efficiency.
- ✓ Mitigated all service downtime effectively by implementing robust health checks, liveliness probes, and readiness probes, ensuring uninterrupted service availability and **improved reliability**.
- ✓ Successfully implemented **cluster segregation using taints, tolerations, and node pools**, significantly enhancing the *stability and isolation of the development and staging environments in a multi-cluster* setup.
- ✓ Seamlessly deployed **SonarQube** utilizing the Helm chart, streamlining code quality analysis and ensuring robust software development practices.
- ✓ Successfully established a graph within **Grafana** to enable the **SonarQube** matrix, improving visualization and monitoring capabilities for code quality analysis in our DevOps pipeline.
- ✓ Completed a complex **data migration** project, successfully transferring over 10 million records with a 99% accuracy rate, resulting in minimal downtime and ensuring data integrity during the transition.
- ✓ Optimized infrastructure by transitioning from **traditional ingress** and mTLS to **Istio** service mesh, *resulting in a 30% reduction in operational costs and improved network security and performance*.
- ✓ Implemented automated certificate renewal using the **Jetpack Certificate Manager** Helm chart, reducing certificate expiration incidents by 95% and enhancing system reliability while saving approximately 10 hours of manual effort per month.
- ✓ Established a robust monitoring system with proactive health checks that integrated with **PagerDuty**, reducing incident response times by 40% and ensuring timely incident resolution and improved system reliability.
- ✓ Successfully automated **GitLab Runner** provisioning through **Terraform**, reducing setup time by 80% and enabling the concurrent execution of 100+ **CI/CD** pipelines, enhancing development and deployment efficiency.
- ✓ Efficiently onboarded **Logstash** onto **GCP's Kubernetes** infrastructure using a streamlined **Dockerfile**-based deployment, resulting in improved log processing, reduced operational overhead, and enhanced system observability.
- ✓ Successfully established a comprehensive **disaster recovery** plan leveraging **Google Cloud CLI** and Helm scripts, achieving a 99.9% recovery point objective (RPO) and reducing recovery time by 40%, ensuring data resilience and business continuity.
- ✓ Implemented automated commit linking to the **JIRA** dashboard, reducing manual tracking efforts by 60%, enhancing project visibility, and enabling faster issue resolution and project management.
- ✓ ***Enhanced environment security post-removing unused ports and IP addresses, resulting in a 20% reduction in potential attack vectors and strengthening the organization's cybersecurity posture***.
- ✓ Successfully configured tag-based deployments using **ArgoCD**, reducing deployment errors by 35% and accelerating the release cycle, resulting in a 20% improvement in development efficiency and product reliability.

DEVOPS CLOUD ENGINEER | OMUNI (ARVIND LIMITED) *April 2021 – July 2022*

- ✓ Successfully implemented a highly available (HA) Kubernetes cluster using **Kops**, achieving 99.99% uptime, minimizing service disruptions, and ensuring continuous availability of critical applications, improving overall system reliability.
- ✓ Implemented **read replicas** in the **database** system, resulting in a *300% increase in read query* throughput and reduced response times, significantly improving application performance and scalability.
- ✓ Conducted comprehensive server scanning with **Nessus** tools, identifying and remediating 98*% of vulnerabilities*, bolstering system security and reducing potential threats to a minimum
- ✓ Successfully optimized resource utilization by **dynamically adjusting worker node** counts and **Horizontal Pod Autoscaler (HPA)** configurations, resulting in a 30% reduction in infrastructure costs during periods of lower demand while ensuring high performance during peak loads.
- ✓ Implemented **Istio** in the **Kubernetes** cluster, enhancing **microservices** communication, enabling advanced traffic management, and achieving a 20% reduction in latency while improving service reliability through features like circuit breaking and load balancing.

- ✓ Effectively managed the **release process**, ensuring seamless coordination among development, testing, and deployment teams, resulting in a 98% on-time release rate and reduced rollbacks, thereby enhancing overall software delivery efficiency.
- ✓ Successfully **automated database cleanup tasks** within **Lambda** functions, reducing database clutter by 30% and optimizing query performance, resulting in improved system efficiency and reduced operational overhead.
- ✓ Developed a **Lambda function** to **monitor** and halt clusters, achieving a 20% cost reduction in cloud infrastructure expenses during non-operational hours while ensuring efficient resource utilization and adherence to **budget** constraints.
- ✓ Implemented **lifecycle policies** for **Amazon S3**, automating data management processes, reducing storage costs by 40%, and ensuring the efficient transition, expiration, or archival of objects based on predefined rules and policies.
- ✓ Established an efficient **CI/CD** pipeline using **Jenkins** for seamless deployment of **Spring Boot**, **Node**.js, and **Python applications**, reducing release times by 50%, enhancing software quality, and enabling rapid updates and scaling.
- ✓ Demonstrated proficiency in database management, including **SQL** and **NoSQL** databases, through effective indexing, trigger implementation, and size maintenance strategies, resulting in optimized query performance, minimized downtime, and improved data reliability.
- ✓ Showcased advanced **Linux troubleshooting skills**, including **SCP** for secure data transfers, Squid proxy configuration for efficient web caching, and adept memory and CPU management, resulting in enhanced system stability, reduced downtime, and improved resource utilization.
- ✓ Strengthened repository security on **Bitbucket** by implementing access controls and commit validation using regular expressions (regex), ensuring that only authorized users can commit changes, enhancing code quality, and safeguarding sensitive data.
- ✓ Successfully upgraded the **ELK** (**Elasticsearch**, **Logstash**, Kibana) stack to the latest version and redesigned the architecture, resulting in a 40% improvement in log processing speed, enhanced scalability, and a 30% reduction in infrastructure costs while maintaining data integrity and high availability.
- ✓ Implemented **Nginx's** alerting mechanisms, reducing system downtime by 25% through proactive issue identification and rapid response, thus improving overall system reliability and availability.
- ✓ *Achieved a 7-day restoration and backup strategy, consistently ensuring data availability within a one-week recovery window, reducing data loss risk, and enhancing disaster recovery preparedness for critical systems.*

ASSOCIATE DEVOPS ENGINEER | BORNDIGITAL ***October 2019 – December 2020***

- ✓ Successfully configured the **wire Gard VPN** infrastructure to enable secure multi-region access, reducing latency by 30% and enhancing cross-regional collaboration and data transfer efficiency, leading to improved system performance and global accessibility.
- ✓ Demonstrated proficiency in **Linux administration** by efficiently managing server infrastructure, optimizing system performance, and reducing downtime by 20% through proactive monitoring and timely issue resolution.
- ✓ Effectively implemented monitoring using **Nagios**, enabling **real-time visibility** into system health and performance, resulting in a *40% reduction* in critical incidents and improved infrastructure reliability.
- ✓ Successfully introduced **Jenkins** to streamline the CI/CD pipeline, reducing deployment times by 50% and enhancing development agility, ultimately accelerating time-to-market for software releases.
- ✓ Resolved network-related issues promptly, achieving a **90% reduction in network downtime** and ensuring seamless communication and connectivity, thereby enhancing overall system reliability and user satisfaction.
- ✓ Executed server upgrades with **minimal downtime, achieving 99.99%** service availability during the upgrade process, ensuring uninterrupted business operations and minimizing user impact.
- ✓ Successfully configured comprehensive monitoring with **CloudWatch** and integrated it with **SNS**, enabling real-time alerts and notifications, resulting in improved incident response times and enhanced system reliability.
- ✓ Deployed the **Dojo Bitcoin script**, enabling automated **Bitcoin** transactions and enhancing financial operations with increased efficiency and security.
- ✓ Successfully played and implemented Kubernetes (K8s) on Google Kubernetes Engine (GKE), streamlining container orchestration and enabling scalable, resilient, and efficient application deployments in a cloud-native environment.

CERTIFICATE

1. **Certified Kubernetes Administrator - *LF-e0g7gx1qv3*** from Cloud Native Computing Foundation
2. DevOps Professional
3. Docker Certified Associate Exam Course from KodeKloud
4. AWS Cloud Practitioner from KodeKloud
5. GCP Cloud Digital Leader Certification from KodeKloud
6. Terraform Associate Certification: HashiCorp Certified from KodeKloud

EDUCATION

Bachelor of Engineering (Computers Science and Engineering) *Gujarat Technological University* -- *2015-2019*
Higher Secondary School (Science) *Gujarat secondary & Higher secondary Education Board* -- *March 2015*