

# HARSHAL B DESHMUKH

## Contact

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## Key Skills

**DevOps Tools:** Ansible,  
Docker, Kubernetes.  
**CI/CD Tools:** Azure DevOps,  
Jenkins, GitLab.  
**OS:** CentOS, Ubuntu, Red Hat,  
Debian  
**Monitoring:** Nagios, Grafana,  
Prometheus.  
**Database:** MySQL, PostgreSQL  
**Web Servers:** Apache, Nginx  
**Cloud Platforms:** AWS (Basic  
Knowledge)  
**Networking:** Routing, IP  
Addressing, Firewalls, DNS  
**Scripting:** Bash, Python

## Certificates & Training :

CCNA, CCNP  
AWS  
Kubernetes  
DevOps

## Profile

Results-driven IT professional with 7+ years of experience, specializing in DevOps and Linux Administration. Proven expertise in optimizing system performance, implementing robust infrastructure solutions, and driving seamless deployments. Possess 2 years of hands-on experience in DevOps methodologies, streamlining development processes, enhancing collaboration, and accelerating time-to-market. Prior to DevOps, built a solid foundation with 5 years of experience as a Linux Administrator, overseeing networking, server infrastructure management, and VMware virtualization. Adept at configuring, securing, and troubleshooting Linux-based systems. Successfully managed complex server environments and implemented virtualization solutions to optimize resource utilization.

## Experience

**DevOps Engineer** Apr 2022 to present (2+ Years)  
Reliance Jio Infocom Ltd | Navi Mumbai, Maharashtra.

- Developed automated deployment processes and scripts for seamless development-to-production transitions.
- Analyzed existing applications for performance bottlenecks and implemented solutions for enhanced scalability.
- Utilized Docker and Kubernetes to manage, scale, and update containers, improving automation and efficiency.
- Created CI/CD pipelines using Azure, Jenkins, and Docker for automated build processes.
- Implemented systems automation using scripting languages such as Python and Bash.
- Deployed microservices on Kubernetes clusters, ensuring increased scalability and availability across multiple regions.
- Maintained version control systems like GitLab for all software development projects.
- Skilled in working with Agile methodologies to deliver high-quality software solutions.
- Provided support for web server configuration and maintenance.
- Supervised infrastructure management and monitoring for a large-scale environment with 500+ servers and 30+ microservices.
- Developed a monitoring platform using Prometheus and Grafana to enable real-time service monitoring and alert management.
- Implemented containerization technologies for faster delivery cycles using Docker and Kubernetes.
- Managed infrastructure components, including virtual machines, storage, and networking devices.
- Created a central API Gateway to mediate between client applications and backend services, improving microservice architecture efficiency.
- Automated configuration management and deployment processes using Ansible playbooks, reducing manual intervention and configuration drift.
- Designed and implemented Ansible playbooks to automate tasks such as package installation, user management, service configuration, and security patching across multiple servers.

- **Developed custom Ansible roles** for reusable automation of complex configurations and deployments.

**Linux Administrator** Apr 2019 to Mar 2022 (3 Years)

Reliance Jio Infocom Ltd – Navi Mumbai, Maharashtra.

- **Managed 500+ Linux servers**, ensuring **security, performance, and high availability** through proactive monitoring and maintenance.
- **Administered infrastructure components** such as **virtual machines, storage devices, and networking**, with in-depth knowledge of **VMware ESXi and vSphere**.
- **Set up and configured web servers (Apache, Nginx) and database servers (MySQL, PostgreSQL)**, optimizing configurations for performance and security.
- Proficient in **disk management** using **LVM, file system management (ext4, XFS, ZFS)**, and **user/group management**.
- **Ensured compliance** with industry standards, applying **security patches** and maintaining **system integrity**.
- Spearheaded the **design, implementation, and maintenance** of large-scale **physical and virtual infrastructures**.
- **Upgraded vCenter and ESXi servers** from **vSphere 5 to 6.5 and 7.0**, ensuring minimal downtime and seamless transitions.
- Comprehensive experience with **Storage Area Networks (SAN)**, including **Fiber Channel, FCoE, iSCSI, and NFS protocols**.
- Implemented **Citrix NetScaler (ADC)** for **load balancing**, optimizing traffic distribution and enhancing system efficiency.
- Developed and maintained detailed **IT process documentation**, improving knowledge transfer and operational efficiency.
- **Improved network performance** by configuring and optimizing **network equipment**.
- Supported **InfoSec BAVAMAWA hardening**, ensuring systems met stringent security standards.
- Efficiently resolved **support tickets** using **Impulse**, meeting or exceeding **service KPIs**.
- Utilized **server management tools** for **patching, monitoring, and backup activities**, ensuring a resilient and secure environment.

**Network and Server Infrastructure Engineer** Jan 2017 to Mar 2019 (2 Years)

Reliance Jio Infocom Ltd – Navi Mumbai, Maharashtra.

- **Designed and implemented network and infrastructure solutions** to support business operations, ensuring **high availability and scalability**.
- **Managed server environments**, including setup, configuration, and maintenance of **virtual machines and physical servers**.
- **Configured management IPs** on servers and optimized **network connectivity** for streamlined communication.
- **Implemented infrastructure setups** using **DH360/DL380 G9/G10 servers** to support **network automation** for multiple projects.
- **Designed and implemented physical port connectivity** on **Cisco Nexus switches**, ensuring optimal **data flow and redundancy**.
- Created **High-Level Designs (HLD)** and **Low-Level Designs (LLD)** for various infrastructure projects, facilitating smooth implementation.

- Installed and configured **HDDs** and **SSDs**, and set up **RAID configurations** to ensure **data redundancy** and **high performance** for physical servers.
- Administered **storage systems**, including **SAN** (Storage Area Network) and **NAS** (Network Attached Storage), ensuring efficient storage management.
- **Basic knowledge of routing protocols**, including **Static Routing**, **OSPF**, **EIGRP**, and **BGP**, enabling effective **network optimization**.
- Developed **Python scripts** for **L2 switch audit and remediation**, enhancing network compliance and reducing manual errors.

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## Education

June 2016

– **PG in Electronic and Communication** with first division from North Maharashtra University Jalgaon.

June 2013

– **B.E. in Electronics and Telecommunication** with First division from North Maharashtra University Jalgaon.

## Declaration

I hereby declare that all the information furnished above is true to the best of my knowledge and has required documents to prove them, which I will submit at the time of interview.

Place: - Mumbai, Maharashtra.

**HARSHAL B. DESHMUKH.**

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