# Rajan Sharma

Sr DevOps Engineer

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## Professional Summary

Senior DevOps Engineer with over 8+ years of experience specializing in system reliability, automation, and cloud infrastructure management on AWS and OCI. Proven ability to mentor teams of 4-5 engineers to build and implement scalable, efficient deployment solutions. Expertise in ensuring high availability for critical systems, Kubernetes, Terraform, Ansible, and Python to drive innovation, optimize critical processes, and ensure system reliability for high-traffic applications.

## Technical Skills

- **Cloud Platforms:** Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI)
- **Infrastructure as Code:** Terraform
- **Automation & Configuration:** Ansible
- **Containerization:** Kubernetes, Docker
- **Package Manager:** Helm
- **CI/CD:** Jenkins, GitLab CI, ArgoCD
- **Scripting & Programming:** Python, Bash
- **Operating Systems:** Linux (RHEL, Ubuntu)
- **Monitoring & Logging:** Prometheus, ELK Stack, Nagios
- **Networking:** DNS, DHCP, TCP/IP, SSH, SSL, Load Balancing
- **Databases:** MySQL (MariaDB/Percona), M3DB

## Professional Experience

**Oracle OCI | Sr SRE** (*2022 – Present*)

- Reduced deployment time and eliminated manual errors by implementing automated infrastructure provisioning and configuration with Terraform.
- Implemented an automated promotion pipeline using ArgoCD to manage deployments from Artifactory to pre-production Kubernetes clusters, ensuring consistent and reliable application delivery for QA validation.
- Led the onboarding of new cloud regions to expand global infrastructure and improve service resilience.
- Architected and deployed scalable Kubernetes clusters to support a diverse range of

microservices.

- Managed and scaled over 100 Kubernetes clusters across multiple geographic regions, ensuring high availability and performance.
- Developed Python scripts to automate deployments, system monitoring, and log analysis, significantly improving operational efficiency.
- Conducted root cause analysis and troubleshooting for complex infrastructure and service issues, ensuring minimal downtime and robust system performance.
- Collaborated with cross-functional teams to gather requirements and design automation solutions, streamlining workflows and boosting productivity.

### Flipkart | DevOps Engineer II (*2020 – 2022*)

- Managed the deployment and maintenance of DevOps infrastructure for high-traffic e-commerce applications
- Owned and optimized the end-to-end CI/CD pipeline for the mission-critical payments platform, ensuring high-availability deployments and adherence to strict security and compliance standards.
- Established best practices for Infrastructure as Code using Terraform and Ansible, resulting in more consistent and reliable deployments.
- Trained and mentored junior team members on DevOps best practices and provided technical guidance.
- Orchestrated and managed PCI certification audits, maintaining compliance and securing infrastructure across various services
- Optimised and managed the ELK stack through performance tuning to enhance efficiency and scalability for large-scale log analysis.
- Conducted regular server patching, updates, and security audits to maintain system integrity and PCI compliance.
- Automated routine operational tasks using Python and Bash, improving system performance and reducing manual workload.

### MoEngage | Site Reliability Engineer (*2019 – 2020*)

- Architected and implemented a fully automated CI/CD pipeline using Jenkins, Packer, etc transforming the software delivery process from manual deployments to a one-click system that eliminated human error and accelerated release cycles.
- Managed source code repositories, build tools, and branching strategies to ensure seamless development workflows.
- Provisioned and managed AWS infrastructure to support the scaling of the build and release platform, improving performance and reliability.
- Automated key deployment processes, which reduced manual intervention and increased

deployment frequency.

**FreshWorks | NOC Engineer (DevOps)** (*2018 – 2019*)

- Monitored and maintained production systems for high-traffic, internet-facing applications to ensure optimal performance and capacity.
- Proactively identified and mitigated security threats, including DoS attacks and email spoofing, to improve system resilience.
- Conducted root cause analysis for critical incidents and implemented long-term solutions to prevent recurrence.
- Developed automation scripts to streamline routine tasks, contributing to improved operational efficiency.

**Endurance International Group | Linux System Administrator** (*2016 – 2018*)

- Provided L2 support for a full range of hosting products, including cPanel, Plesk, VPS, and cloud servers.
- Performed system-level performance tuning and optimization for high-traffic hosting environments.
- Coordinated with product development teams to escalate, track, and resolve recurrent technical issues.
- Proactively monitored service uptime and performance, analyzing logs and metrics to recommend and implement solutions for system improvement.

## Education

Bachelor of Engineering, Computer Science
2016

## Interests

Guitar, Table Tennis
Badminton, Fifa