

MAHENDRA SINGH

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Summary

Highly skilled DevOps professional with over 4.8 years of hands-on expertise in automating, deploying, and managing cloud infrastructure. Proven track record of enhancing velocity, reliability, and quality while prioritizing security through the establishment of CI/CD pipelines and optimization of system performance and stability. Seeking to leverage my technical skills and proactive approach to contribute to a dynamic team and drive impactful results.

Skills

Terraform, Ansible, Linux, Kubernetes, AWS, Azure, SQL Server, ArgoCD, Docker, Jenkins, Helm, Prometheus, Grafana, ELK (Elasticsearch, Logstash & Kibana), Maven, Hashicorp Vault, MS Sql Server, Git, Bash Scripting, Python, Redis, Kafka, Groovy, Alertmanager, Web Servers (Nginx and Apache)

Education

Rajasthan Technical University | Jaipur, RJ
Computer Science & Engineering | 07/2018

Experience

Paytm | Noida, UP

Sr. DevOps Engineer | 03/2022 - Present

- Managed AWS cloud infrastructure. Experienced in EC2, IAM, VPC, S3, Lambda, ElastiCache, SNS, CloudWatch, CodeDeploy, EKS, Route53, and others.
- Experienced in Azure Cloud Services including Virtual Machines, Azure Active Directory, Virtual Network, Blob Storage, SQL Database, Azure Communication Service, DNS Zones, and Azure App services.
- Managed & provisioned the Cloud Infrastructure using Terraform (IAC).
- Configured & Managed the Cloud servers using Configuration management tool (Ansible).
- Supported development teams by building, deploying, maintaining, and scaling infrastructure to support applications.
- Collaborated in a cost-saving initiative where I successfully optimized expenses, resulting in savings totaling approximately 35%.
- Automate Build & Deployment process using Groovy, Python, and Shell.
- Implemented and maintained effective system monitoring, Logging and alerting tools to proactively detect and resolve issues using tools like ELK Stack, Fluentd, Prometheus and Grafana.
- Enabled the monitoring & Alerting for AWS EKS cluster using metrics exporter, Prometheus & Grafana.
- Implemented and managed the CI/CD pipelines using Jenkins for software applications and services, including Monthly release management of products, change management, and rollback procedures.
- Experienced Managing Container Infrastructure (On-Prem & Managed e.g., AWS EKS).
- Design, implement, and Upgrade container infrastructure e.g., K8S Cluster & Node Pools, and maintained application manifest files for microservices using HELM.
- Managed the CI/CD pipeline for K8 Cluster using Helm, ArgoCD, GIT and Jenkins.
- Maintained comprehensive documentation of deployment processes, system configurations, procedures, and incident reports.

Oodles Technologies | Gurgaon, HR

DevOps Engineer | 06/2020 - 03/2022

- Designing, deploying, configuring, and maintaining cloud solutions.
- Manage and maintain AWS Cloud services (EC2, VPC, S3, CloudWatch) and Microsoft Azure (VM, App service, Virtual network, MS SQL) to ensure seamless operation of the production environment.
- Maintaining SQL database virtual machines (VMs) for multiple applications.
- Experienced with various databases, including SQL, Elasticsearch, MS SQL. Ensure optimal performance and reliability.
- Expertise in version control systems, especially GitHub. Collaborate effectively with development teams.
- Proficient in utilizing logging tools like ELK Stack for centralized log management.
- Design, implement, and maintain CI/CD pipelines using Jenkins, ensuring efficient and automated software delivery.

LinuxWorld Informatics Pvt Ltd | Jaipur, RJ
DevOps Intern | 06/2018 - 06/2019

- During my 1-year internship and training in DevOps, I acquired practical expertise in DevOps tools such as AWS services and Red Hat Linux.
- I gained extensive experience with VMs, Docker containers, web servers, networking principles, and Linux.

Certificates

RED HAT CERTIFIED SYSTEM ADMINISTRATOR - 180142077, RED HAT CERTIFIED SPECIALIST IN ANSIBLE
AUTOMATION-180142077