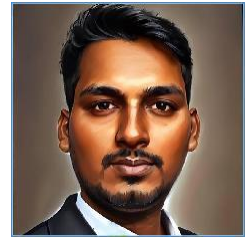


Deepesh Jaiswal

DevOps Engineer

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Work experience

Profile Summary

Seasoned DevOps Engineer with over 8 years of experience in automating and architecting mission-critical 24x7 deployments, CI/CD pipelines, and cloud solutions. Proficient in AWS, Azure, GCP, Kubernetes, Docker, Terraform, Pulumi, and Ansible. Adept at infrastructure automation, configuration management, and deployment management across Financial and Banking sectors. Skilled in source control tools (Git, SVN), continuous integration (Jenkins), and container orchestration (Kubernetes). Strong background in server administration (RedHat, Ubuntu, CentOS) and scripting (Python, Bash, PowerShell). Proven ability to enhance workflow efficiency, implement agile methodologies, and deliver high-quality outputs under tight deadlines.

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Lead DevOps Engineer

2023-11 - Present

Tietoevry

- Successfully deployed docker-based applications on Kubernetes (EKS), resulting in a 70% reduction in deployment time and improved scalability.
- Refactored over 30 scripts in Shell and Python, optimizing their performance on the cloud and reducing run-time by 10% and cloud costs by 5%.
- Developed a highly scalable pipeline using Bitbucket, AWS Codebuild, and EKS, increasing deployment and testing speed by 80%.
- Integrated automated test cases in the CI/CD pipeline to test development code, improving code quality in the QA environment by 10%.
- Automated the deployment of VPC, Subnet, Security Group, EC2, RDS, and EKS using Terraform scripts, reducing manual efforts by 80%.
- Redesigned the production system to be site-aware, significantly reducing disaster recovery fail-over time by 70%.
- Administered and deployed Kubernetes across development, UAT, and production environments, ensuring smooth and efficient operations.
- Integrated penetration testing using Trivy scan in the CI/CD process to identify and mitigate vulnerabilities in Docker images, reducing security risks by 40% in the production environment.

DevOps Expert

2021-12 - 2023

EzopsInc

- Demonstrated mastery of OS-level virtualization and layered file system implementation, leveraging Docker concepts to enable efficient and scalable containerization.
- Utilized Docker Hub images and created custom images tailored to project requirements, optimizing performance and ensuring seamless deployment.
- Configured SNS notifications for Autoscaling and Route-53, enabling timely alerts for server and VPC failures and minimizing downtime.
- Adhered to Docker best practices, creating Dockerfiles and implementing secure and efficient containerization techniques.
- Established a private Docker registry for secure image storage, ensuring data integrity and confidentiality.
- Implemented Docker volumes for high data availability during container failures, enhancing application resilience.
- Installed and configured Kubernetes in both physical and cloud environments, leveraging its scalability and resource management capabilities.
- Demonstrated a comprehensive understanding of Kubernetes components and effectively utilized them for optimized application deployment and management.
- Installed and configured Kubernetes master and nodes, ensuring seamless communication, efficient workload distribution, and fault tolerance.

DevOps Engineer

2021-06 - 2021

Diverse Lynx

Skills

Messaging and Queueing: AWS SQS, RabbitMQ, Kafka

Databases: Amazon RDS, Google Cloud SQL, MongoDB

Security: IAM Policies, AWS GuardDuty, Azure Security Center

Networking: Virtual Private Cloud (VPC), Route 53, AWS Direct Connect

Cloud Computing: Amazon Elastic Compute Cloud (EC2), Google Compute Engine (GCE), Microsoft Azure Virtual Machines

Continuous Integration/Continuous Deployment (CI/CD): Jenkins, GitLab CI, AWS CodePipeline

Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Azure Resource Manager (ARM) Templates


Containerization: Docker, Kubernetes, Amazon Elastic Kubernetes Service (EKS)

Configuration Management: Ansible


Monitoring and Logging: Prometheus, Grafana, AWS

- Demonstrated proficiency in Kubernetes container orchestration management system, effectively managing and optimizing containerized applications.
- Utilized Git and SVN for source control management, resolving branching and merging conflicts to ensure smooth collaboration and version control.
- Supported multiple projects in DevOps through infrastructure automation, configuration management, and deployment management, streamlining processes and improving efficiency.
- Possessed a strong technology stack, including Git, Jenkins, Subversion, Unix/Linux, Windows servers, VMWare, Docker, Vagrant, Ansible, and AWS, with experience across the financial and banking sectors.
- Automated tasks involving Docker components such as Docker Hub, Docker Engine, Docker Machine, Compose, and Docker Registry, enhancing productivity and reducing manual effort.
- Created Docker images from Dockerfiles for Docker container-based applications, ensuring consistency and portability across different environments.
- Implemented continuous integration and deployment using Jenkins, automating build and deployment processes for efficient software delivery.
- Administered, deployed, and managed RedHat, Ubuntu, and CentOS servers, ensuring their smooth operation and optimal performance.
- Demonstrated proficiency in Azure, Kubernetes, and shell scripting for managing enterprise applications, leveraging cloud technologies for scalability and flexibility.
- Automated server infrastructure setup for DevOps services using Ansible and shell scripts, reducing manual effort and ensuring consistent and reliable deployments.


CloudWatch, ELK Stack
(Elasticsearch, Logstash, Kibana)



Version Control: Git, GitHub,
Bitbucket



Scripting and Automation:
Python, Bash, PowerShell



Cloud Administrator

2020-10 - 2021

AUTHBridge

- Leveraged proven infrastructure engineering experience to successfully manage server, storage, and network systems
- Demonstrated expertise in Linux/Unix system administration, specifically with Red Hat and Debian distributions
- Utilized scripting and automation tools such as Ansible, Jenkins, Bash, and Python to streamline processes
- Managed cloud platforms including AWS, Azure, and Google Cloud, as well as hybrid infrastructure environments
- Applied strong knowledge of networking principles and technologies, including VPNs, firewalls, and load balancers like HaProxy
- Implemented database management and replication techniques, including Master-Slave architecture
- Ensured adherence to security best practices and compliance standards
- Utilized exceptional problem-solving skills to troubleshoot complex infrastructure issues
- Communicated effectively and collaborated with cross-functional teams for successful project completion

Cloud Administrator

2019-10 - 2020

SypplyValid

- Expertly managed AWS, Azure, and Google Cloud platforms, optimizing performance, scalability, and cost-efficiency for SypplyValid.
- Reduced downtime by 20% through proactive issue resolution, utilizing Grafana and Prometheus for monitoring and management.
- Streamlined cloud infrastructure by leveraging Ansible, Jenkins, Bash, and Python, resulting in a 30% reduction in manual effort.
- Implemented robust security measures and compliance standards to protect sensitive data and mitigate risks.
- Optimized database performance and ensured data integrity, improving efficiency by 15%.
- Resolved complex technical issues promptly, minimizing disruptions and ensuring smooth operations.
- Effectively collaborated with cross-functional teams to achieve project goals and deliver high-quality results.
- Maintained clear and comprehensive documentation for knowledge sharing and process continuity.

System Engineer

2019-10 - 2019

Wipro InfoTech

Systems Expertise: Proficient in server, storage, and network management with a deep understanding of Linux/Unix (Red Hat, Debian).
Automation & Scripting: Skilled in Ansible, Jenkins, Bash, and Python.
Cloud Platforms: Experienced with AWS, Azure, Google Cloud, and hybrid infrastructures.
Networking: Extensive knowledge of networking principles and technologies.
Database Management: Familiar with Master-Slave replication techniques.
Security: Thorough understanding of security best practices and compliance standards.
Problem-Solving: Exceptional abilities in troubleshooting complex system issues.

System engineer

2017-04 - 2018

Enn Tee

- Managed servers and infrastructure, ensuring optimal performance and reliability of Enn Tee's on-premises systems.
- Implemented automation using Ansible for server patching and configuration management, reducing manual effort and improving efficiency.
- Collaborated with cross-functional teams to address system vulnerabilities and implement security measures, ensuring a secure IT environment.
- Conducted regular audits and monitoring to proactively identify and resolve issues, optimizing system performance and minimizing downtime.
- Maintained clear and comprehensive documentation for system configurations and procedures, facilitating knowledge transfer and ensuring consistency.
- Actively pursued continuous learning to stay updated with advancements in system engineering, adapting to evolving technologies and best practices.
- Ensured consistency in formatting and language in all documentation, promoting clarity, professionalism, and ease of understanding.

Education

BE

Sistec

06/2013 - 06/2018 Bhopal, India

EC | BE

Sistec(RGPV)

Top Skills

- PERSONAL QUALITIES

Motivated
Productive
Lead responsibility
Passioned

- OTHERS

AWS/Azure/Gcp
Ansible
Shell
Python
Kubernetes
Docker
Grafana
DataOps
CICD

Qualifications

Professional
Problem-solving skills Professional

Skills

English



Hindi





German



Achievements

- Implemented refactoring and optimization of AWS and CI infrastructure
- Monitored systems using Zabbix, Graylog, and Grafana, Prometheus
- Orchestrated infrastructure setup using Puppet
- Served as a technical consultant for start-up companies

Certifications

- AWS Certified Solutions Architect - Associate

Hobbies & interests

Travelling
Sport