Rupesh – DevOps Engineer

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3+ years experienced, passionate and seasoned DevOps Engineer, dedicated to driving efficiency and innovation in software development. Demonstrated expertise in implementing DevOps methodologies, orchestrating robust solutions, and optimizing workflows. Proficient in cloud technologies such as Azure and AWS, along with Docker, Kubernetes, Terraform, Jenkins, Ansible, Grafana, Prometheus, and GitHub Actions. Skilled in architecting secure and scalable infrastructures to meet business objectives. Committed to collaboration, continuous improvement, and knowledge sharing to enhance team performance and project integrity. Ready to leverage experience and skills to drive transformative initiatives and exceed organizational goals.

KEY SKILLS

DevOps | DevSecOps | GitOps | Automation | Azure DevOps | GitHub Administrations | Appropriate tool deployment | Containerization | Scrum | Agile Methodologies | Troubleshooting | Configuration | Vulnerability Assessment | Azure Reliability Patterns | Azure Security Patterns.

TOOLS & TECHNOLOGIES

Cloud Platform: Microsoft Azure, AWS | **DevOps Platform:** Azure DevOps, GitHub Actions, Jenkins| **Scripting Languages:** Shell, Python | **Container Platform:** Docker, ACR | **Version Control:** Git, GitHub | **Orchestration Tools:** Kubernetes, Azure AKS, AWS EKS | **Monitoring**: Grafana, Prometheus | **Infrastructure as Code:** Bicep, Terraform, ARM Templates, Ansible.

CERTIFICATES

AZ-900: Microsoft Azure Fundamentals
AZ-104: Azure Administrator Associate
AZ-400: Designing and Implementing Microsoft DevOps Solutions
GitHub Administration Certification

PROFESSIONAL EXPERIENCE

DevOps Engineer | Optimus Information — Noida, India| Dec '22 – Present
Administrator | Wipro LTD — Gurugram, India| Feb'21 – Nov'22

Key Project Goal:

- Architected Azure infrastructure using Bicep templates for rapid provisioning and scalability.
- Implemented CI/CD pipelines with GitHub Actions and Azure DevOps, fostering collaboration and agility.
- Enhanced security posture with VNets, Azure Secrets, and Microsoft Defender for Cloud, ensuring compliance.
- Orchestrated blue-green deployments leveraging Kubernetes and Front door Services, minimizing downtime.
- Ensured high availability with active geo-replication and Front Door configurations.
- Used robust monitoring solutions to optimize application reliability and user experience.
- Conducted knowledge sharing sessions to empower team members in security and automation best practices.
- Designed and deployed Azure resources using Terraform IaC scripts for enhanced efficiency.
- Leveraged Front Door and CDN services to improve website responsiveness and user satisfaction.
- WAF with custom rules for enhanced security against evolving threats.
- Provided expert troubleshooting to minimize downtime and maximize operational efficiency.

KEY PROJECTS EXECUTED

1. **Project: Gov Utilities Commission Portal | Duration: Oct' 23 – Present**
   - Deployed a multisite WordPress site on Azure with zero-downtime through blue-green deployment, achieving 99.99% uptime. Optimized performance by caching with Azure Front Door and CDN, cutting page load times by 40%. Accelerated deployment by 30% using Azure DevOps pipelines and automated backups, reducing recovery times by 50%. Used Terraform to provision infrastructure for better resource management, while enhancing security with WAF rules and traffic filtering.
2. **Project: Open AI Chat Bot | Duration: Feb' 24**
   - Built and launched ARM templates, resulting in a 40% faster deployment and a 95% increase in configuration accuracy. Designed and orchestrated GitHub Actions CI/CD pipelines for smooth project rollouts.

3. **Project: POS Machine Software | Duration: July' 23 – Sep'23**
    - Automated resource provisioning with Terraform, reducing deployment time by 90%. Developed Azure Dashboards to monitor performance, leading to a 40% cost savings through Reserved Instances and Azure Savings Plans. Resolved 95% of operational issues within 24 hours through active troubleshooting and optimized CI/CD pipelines using Azure DevOps.
4. **Project: Weekly Status Report Portal | Duration: Feb' 23– May'23**
    - Spearheaded the integration of cloud infrastructure with Docker, Kubernetes, and Azure Front Door, reducing manual setup time by 70%. Leveraged blue-green deployment strategies to maintain 99.9% uptime and minimized downtime to under 5 minutes. Enhanced reliability with Active Geo-Replication and streamlined CI/CD processes with approval gates, improving deployment accuracy.

UPSKILLING PROJECT

1. **Project: DevSecOps Node.js CI/CD Pipeline**
    - Designed a Jenkins CI/CD pipeline for a Node.js application, integrating SonarQube (improving code quality by 30%), OWASP (enhancing security coverage by 40%), and Trivy (reducing Docker vulnerabilities by 25%). Strengthened expertise in automating secure deployments, accelerating pipeline performance by 35%.
2. **Project: Deployment of a Three-Tier Application on AWS EKS**
    - Deployed a scalable three-tier web application (React, Node.js, MongoDB) on AWS EKS, reducing operational costs by 20% through Kubernetes orchestration and AWS ALB load balancing. This project supported 99.9% availability and handled traffic spikes 50% more efficiently.
3. **Project: Multi-Tier Terraform & Ansible Infrastructure Deployment**
    - Architected and deployed a multi-tier infrastructure on AWS using Terraform and Ansible, reducing manual intervention by 85% and improving deployment times by 50%. Ensured high availability (99.95%) and scalability, handling a 60% increase in user traffic with no downtime.
4. **Project: Kubernetes Grafana Monitoring & Visualization**
    - Implemented Prometheus, Grafana, and Advisor to monitor a Kubernetes-based application, reducing incident detection time by 40% and improving system stability by 25%. Built dashboards that provided real-time insights into performance, helping to troubleshoot 90% of issues within 15 minutes.
5. **Project: Serverless ToDo Application Deployment**
    - Developed and deployed a serverless ToDo app using AWS Lambda, API Gateway, NodeJS, and AWS RDS, reducing infrastructure costs by 30% and improving response times by 50%. Scaled the application to handle 10,000+ users without service degradation, achieving 99.9% uptime.

EDUCATION

- **B. Tech – Computer Science Engineering** | SRM University Sonipat Haryana| 2016-2020 | 7.3/10 SGPA