

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 | 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
Network Engineer 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.
- Implemented 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.
- Implemented WAF with custom rules for enhanced security against evolving threats.
- Provided expert troubleshooting to minimize downtime and maximize operational efficiency.

KEY PROJECTS EXECUTED

- Project:** Gov Utilities Commission Portal | **Duration:** Oct' 23 – Present

Key Achievement: Successfully deployed a multisite WordPress site on Azure infrastructure with a zero-downtime strategy using blue-green deployment. Implemented measures to improve the website's performance by caching content using Azure Front Door and Content Delivery Network (CDN). Streamlined DevOps processes using Azure DevOps pipelines and implemented automated backup strategies. Provisioned infrastructure using Terraform for efficient resource management. Additionally, managed WAF rules and implemented traffic filtering to enhance security.

2. **Project:** Open AI Chat Bot | **Duration:** Feb' 24

Key Achievement: Successfully created ARM templates and deployed the infrastructure using custom template deployments with the required configuration.

3. **Project:** POS Machine Software | **Duration:** July' 23 – Sep'23

Key Achievement: Successfully contributed to automating infrastructure using Terraform, streamlining deployment processes and ensuring consistent resource provisioning. Documented Azure monitoring logs and actively participated in troubleshooting to resolve issues efficiently.

4. **Project:** Weekly Status Report Portal | **Duration:** Feb' 23– May'23

Key Achievement: Successfully executed an end-to-end project involving the integration and management of cloud infrastructure, orchestration using Docker, Kubernetes, and Azure Front Door. Streamlined DevOps processes and automated infrastructure using Azure Bicep. Implemented blue-green deployment using Kubernetes and Front Door for seamless deployment and minimal downtime. Additionally, implemented reliability patterns with Front Door Services and Active Geo-Replication to mitigate server failure or network outage risks.

Upskilling Projects

1. **Project:** DevSecOps Node.js CI/CD Pipeline

Key Achievement: Engineered a Jenkins CI/CD pipeline for a Node.js application, incorporating DevSecOps practices. Integrated SonarQube for code quality, OWASP for security testing, and Trivy for Docker image scanning. This project strengthened my skills in CI/CD pipeline development, security integration in DevOps, and containerization, providing a comprehensive understanding of DevSecOps.

2. **Project:** Deployment of a Three-Tier Application on AWS EKS (Managed Kubernetes Service)

Key Achievement: Deployed a scalable three-tier application (React, Node.js, MongoDB) on AWS EKS, leveraging Kubernetes for orchestration and AWS ALB for load balancing. Gained practical experience in cloud-native technologies, containerization, and cloud infrastructure management, reinforcing my understanding of full-stack development and Kubernetes deployment in a production environment.

3. **Project:** Multi-Tier Terraform & Ansible Infrastructure Deployment

Key Achievement: Designed and deployed a production-ready, multi-tier infrastructure on AWS using Terraform for infrastructure automation and Ansible for configuration management. Mastered the use of remote backends in Terraform and developed expertise in creating scalable, secure, and highly available cloud environments.

4. **Project:** Kubernetes Grafana Monitoring & Visualization

Key Achievement: Implemented a comprehensive monitoring and visualization solution for a Kubernetes-based application using Prometheus, Grafana, and Advisor. Developed skills in setting up scalable monitoring systems, creating insightful dashboards, and understanding key metrics for containerized environments.

5. **Project:** Serverless ToDo Application Deployment

Key Achievement: Developed and deployed a serverless ToDo application using AWS Lambda, API Gateway, NodeJS, and AWS RDS. Gained hands-on experience with the Serverless Framework and cloud-native development, focusing on building scalable, efficient, and secure serverless applications.

EDUCATION

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