

# VIKAS DEYYALA

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## SUMMARY

Experienced Data Protection and vCenter Administrator with 2.5 years at Infosys, now transitioning to full-stack development with a focus on DevOps and AWS cloud integration. Proficient in front-end (React.js) and back-end (Node.js) technologies, aiming to deliver efficient, scalable application solutions through advanced cloud development and deployment practices.

## EDUCATION

### B. Tech. | Computer Science Engineering

Aug 2023 – Present

Lovely Professional University, Punjab | 8.1 CGPA

## TECHNICAL SKILLS

- **Web Technologies:** HTML, CSS, Bootstrap, jQuery, JavaScript, React.Js, Node.Js, Express.Js, MongoDB.
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Ansible, Terraform, Prometheus, Grafana, AWS.
- **Other Tools:** Git, GitHub, Sonarqube, Trivy, Maven, Nexus, ArgoCD Postman, Power BI, ServiceNow.
- **Administration:** RedHat Linux Adminsitration, Veritas NetBackup Administration, Vmware Administration.
- **Certifications:** Infosys Certified Front End Developer, MERN Stack Developer, MongoDB Administrator.

## PROFESSIONAL EXPERIENCE

### Infosys Limited, Hyderabad: Data protection and VCenter Administrator

Oct 2021 – Feb 2024

- Implemented and optimization of enterprise-level backup systems at Infosys, establishing robust data protection protocols that reduced backup failures by 30% and boosted overall system efficiency by 20%.
- Directed Veritas NetBackup policy configuration and maintenance, reducing data loss by 20% and enhancing backup reliability across the organization.
- Administered ESXi servers, virtual machines (VMs), and vCenter operations, proactively resolving ServiceNow incidents to boost system uptime by 15% and ensure seamless virtualization management.
- Led L1 team, managing escalations and optimizing performance through strategic shift scheduling. Improved issue resolution efficiency by 35% and response times through effective workflow management and team alignment.
- Utilized a diverse set of tools, including ServiceNow, VMware Vsphere, LogicMonitor, CAUIM, and Windows Server, to optimize IT infrastructure, elevate system performance, and ensure seamless operations.

## PROJECT EXPERIENCE

### Automated CI/CD Pipeline on AWS Infrastructure [\[GitHub Link\]](#)

Sept 2024 – Oct 2024

- Automated VPC creation and auto-scaling RedHat instances for production readiness using (IaC) with Terraform.
- Orchestrated Kubernetes clusters on RedHat using Ansible, creating and configuring Kubernetes manifests for applications, as well as for Prometheus and Grafana, automating deployment with scaling and load balancing.
- Developed an automated Continuous Integration (CI) pipeline using Jenkins, triggered by pull requests to streamline code compilation, testing, and building with Maven. Integrated SonarQube for quality assurance and Trivy for security scans, and automated artifact management with Nexus Repository.
- Built and deployed Docker images to Docker Hub and implemented real-time email notifications, resulting in a 30% increase in deployment speed. Implemented a robust CD pipeline that facilitated seamless production deployment, enhancing release efficiency by 25% through infrastructure automation with Terraform, Ansible configuration, and Kubernetes cluster setup.

### Deploying Microservices on AWS EKS with Jenkins [\[GitHub Link\]](#)

Aug 2024 – Sept 2024

- Containerized microservices by creating Dockerfiles, automating build and push processes via Jenkins, reducing manual intervention by 60% and improving deployment consistency across environments.
- Developed a CI pipeline in Jenkins to automate testing, image building, and pushing Docker images to Docker Hub, cutting build time by 40% and streamlining the release cycle.
- Provisioned and configured an AWS EKS cluster, leveraging Kubernetes for container orchestration and utilizing kubectl for automated zero-downtime deployments, enhancing system reliability.
- Configured a load balancer to route external traffic to microservices, improving application availability and scalability.