1. **Azure DevOps:**
   * Designed, implemented, and managed CI/CD pipelines using Azure DevOps for efficient and automated application deployments.
   * Orchestrated version control, branching, and merging strategies using GIT to streamline collaborative development efforts.
   * Automated testing procedures to ensure code quality and reliability throughout the development lifecycle.
   * Integrated Azure Key Vault, Azure Container Registry (ACR), and Azure Kubernetes Service (AKS) with Azure DevOps for secure and seamless deployment workflows.
   * Collaborated with cross-functional teams to define and enforce best practices for code management, release management, and deployment processes.
2. **Azure Kubernetes Service (AKS):**
   * Led the migration of on-premises containerized applications to Azure Kubernetes Service, optimizing resource utilization and enhancing scalability.
   * Designed and implemented Kubernetes manifests for defining application deployments, services, and persistent volumes, ensuring smooth application orchestration.
   * Managed and monitored AKS clusters, addressing performance optimizations, scaling, and troubleshooting as needed.
   * Implemented Ingress controllers and services for efficient traffic routing and load balancing within the AKS environment.
   * Worked closely with development teams to define containerization strategies, Docker image creation, and deployment configurations for various microservices.
3. **Infrastructure as Code (IaC) and Automation:**
   * Leveraged Terraform to define and manage infrastructure components, creating reusable templates for resource provisioning in Azure.
   * Established a robust IaC pipeline for resource group creation, variable management, and state management, improving infrastructure reliability and repeatability.
4. **Environment Management:**
   * Managed multiple environments (DEV, QA, PROD) to ensure smooth and controlled release processes.
   * Implemented policies and procedures for environment isolation, configuration consistency, and access control.
5. **Monitoring and Troubleshooting:**
   * Utilized Azure Monitor and Log Analytics to monitor application and infrastructure health, proactively identifying and addressing performance bottlenecks.
   * Responded to and resolved incidents related to application availability, performance, and security in both Azure DevOps and AKS environments.

Top of Form