VEMURU VENKATESWARLU

Azure DevOps Engineer | 3.2 Years Experience

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PROFESSIONAL SUMMARY

Azure DevOps Engineer with 3.2 years of experience in designing, automating, and optimizing CI/CD pipelines, infrastructure provisioning, and containerized deployments on Azure Cloud. Proficient in tools such as Azure DevOps, Terraform, Jenkins, Kubernetes, and Docker. Strong background in automating release management, monitoring, and cloud cost optimization. Proven track record of improving deployment efficiency, system reliability, and developer productivity across diverse domains.

PROFESSIONAL EXPERIENCE

Azure DevOps Engineer | Progue Technologies Pvt Ltd | Nov 2023 – Present •
Designed and maintained CI/CD pipelines in Azure DevOps for microservices and web apps. Implemented automated build, unit testing, integration, and deployment workflows.

• Automated infrastructure provisioning using Terraform and ARM templates. Ensured consistency, scalability, and cost efficiency across environments.

• Managed Azure Kubernetes Service (AKS) clusters and Helm charts. Streamlined deployment of containerized applications with zero-downtime strategies.

• Implemented monitoring with Azure Monitor, Log Analytics, and Grafana. Proactively identified performance bottlenecks and improved system reliability.

• Secured CI/CD pipelines with Azure Key Vault and RBAC. Enforced compliance with enterprise security policies and governance frameworks.

• Collaborated with developers to optimize release cycles. Reduced deployment errors by 40% and improved overall release velocity.

DevOps Engineer | Infosys Ltd | Jul 2022 – Oct 2023
• Developed CI/CD pipelines for .NET and Java apps using Jenkins and Azure Repos. Automated deployments across multiple environments with rollback strategies.

• Automated deployments to Azure App Services and on-prem servers with Ansible and PowerShell. Reduced manual effort and improved deployment accuracy.

• Containerized legacy workloads using Docker and migrated them to AKS. Enhanced scalability and resource utilization for critical applications.

• Implemented cost monitoring dashboards with Azure Cost Management. Enabled business to reduce cloud expenditure by 20% through optimized resource usage.

• Integrated SonarQube into pipelines to enforce coding standards. Ensured higher code

quality and reduced post-release defects by 30%.

• Mentored junior engineers on DevOps practices. Facilitated knowledge sharing sessions to upskill team members.

TECHNICAL SKILLS

CI/CD Tools	Azure DevOps, Jenkins, GitHub Actions
Infrastructure as Code	Terraform, ARM Templates, Bicep
Containerization	Docker, Kubernetes (AKS)
Azure Services	App Services, AKS, Key Vault, Monitor, Functions
Scripting	PowerShell, Bash, YAML
Version Control	Git, GitHub, Azure Repos
Monitoring & Logging	Azure Monitor, Log Analytics, Grafana, ELK Stack
Agile & DevOps	Scrum, Kanban, Release Management

PROJECTS

CI/CD Automation for E-Commerce Platform

- **Skills:** Azure DevOps, React, Django, Docker, Kubernetes (AKS), Helm, SonarQube, OWASP, Azure Monitor, Log Analytics.
- **Responsibilities:**
  - Designed and implemented Azure DevOps pipelines for automated build, test, and deployment of React and Django applications.
  - Deployed containerized workloads to AKS using Helm charts, ensuring scalability and high availability.
  - Implemented rolling and blue-green deployment strategies in Kubernetes for seamless releases and quick rollbacks.
  - Integrated SonarQube and OWASP scans into pipelines to maintain DevSecOps compliance and code quality.
  - Significantly reduced release cycle time from 2 hours to 15 minutes, boosting

productivity and accelerating go-to-market delivery.
- ○ Developed real-time visibility dashboards using Azure Monitor and Log Analytics for key stakeholders.

Cloud Migration to Azure (On-Prem to AKS)

- **Skills:** Azure Kubernetes Service (AKS), Terraform, ARM Templates, GitHub Actions, Azure Key Vault, Azure Cost Management.
- **Responsibilities:**
  - ○ Led the migration of over 10 legacy applications from on-premises environments to Azure Kubernetes Service with minimal downtime.
  - ○ Automated infrastructure provisioning using Terraform and ARM templates for scalable and repeatable deployments.
  - ○ Implemented CI/CD automation pipelines using GitHub Actions for faster and more reliable application deployments.
  - ○ Configured Azure Key Vault for secure management of secrets and certificates, reducing security risks.
  - ○ Optimized AKS workloads with autoscaling and cost monitoring, resulting in a 30% reduction in cloud spend without performance compromise.
  - ○ Coordinated User Acceptance Testing (UAT) and regression testing with business teams to ensure functional parity and performance validation.

Monitoring & Logging Framework

- **Skills:** Azure Monitor, Log Analytics, Grafana, Slack, Microsoft Teams, Application Insights, ELK Stack, Azure Automation, PowerShell.
- **Responsibilities:**
  - ○ Developed and implemented a centralized monitoring system using Azure Monitor, Log Analytics, and Grafana for unified observability.
  - ○ Integrated alerts with Slack and Microsoft Teams to enable proactive issue resolution and reduce Mean Time To Resolution (MTTR) by 45%.
  - ○ Configured Application Insights for .NET and Node.js applications to capture telemetry data for troubleshooting and performance tuning.
  - ○ Built a robust log aggregation system using the ELK stack with Azure Log Analytics to improve root cause analysis for critical incidents.
  - ○ Automated common operational issues like scaling, restarts, and cleanup using Azure Automation and PowerShell scripts.
  - ○ Conducted Knowledge Transfer (KT) sessions for DevOps teams and stakeholders to standardize monitoring practices.

EDUCATION

B.Com (Computers) | Dr. A.E.R. Degree College, Tirupati – SV University | 2008– 2011