

Kamal Raj

D Kamal Raj

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An enthusiastic and self-motivated professional with good experience in Azure Cloud and DevOps. Hardworking in nature and determined for achieving the company deliverable goals and succeed in my job. Total 7 years of experience in IT with 5 years in Devops and 2 years in Production Support.

Professional Summary

- Experience in provisioning AKS clusters and other Azure resources using terraform modules
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications. Implemented rolling updates and automatic scaling to accommodate increased workloads during peak usage periods.
- Working knowledge on Version Control system(GIT)
- Implemented Hashicorp Vault for secrets management in AKS.
- Worked on Prometheus, Grafana, Dynatrace and Splunk monitoring tools implementation in AKS clusters.
- Hands on experience in writing Dockerfile, creating docker images and pushing to container registries
- Experience in Istio setup and creating TLS certificates using Certmanager and Hashicorp Vault
- Worked on creating Helm charts from scratch
- Managed Azure Boards for creating user stories and tasks
- Collaborated with cross-functional teams to ensure seamless project delivery in Agile environment.
- Conducted resource allocation and utilization analysis, leading to optimization of container resource requests and limits.
- Resolved critical production incidents promptly, managing system availability and minimizing business impact
- Infrastructure automation, Infrastructure-as-a-code with Terraform
- Experience on Maintenance and Monitor Azure resources using Alerts and Metrics and Log Analytics.
- Demonstrated strong troubleshooting skills by quickly identifying and resolving Kubernetes and Terraform issues.
- Experience in interacting with the clients, collecting requirement specifications from the client and performing requirement analysis and documentation as per needed
- Working knowledge on deploying Applications in Kubernetes Clusters using Pipelines.
- Implemented POC on deploying applications using ArgoCD
- Worked on Azure VMSS, Storage accounts, LogAnalytics, Key Vault, Virtual Networks, ACR.
- Knowledge and experience in Shell scripting

Academics

- Bachelor of Engineering from SRR Engineering College, Chennai.
- HSC(12th) from Asan Memorial Matriculation Higher Secondary School, Chennai.
- SSLC(10th) from Asan Memorial Matriculation Higher Secondary School, Chennai.

Technical Specifications

- Operating Systems: Windows, Linux
- Version Control Tools: GitHub, Azure Repos
- Infrastructure as Code: Terraform
- CI/CD: Azure DevOps, GitOps and Argo CD
- Build Tools: Maven, Gradle
- Container Technologies: Docker, Kubernetes
- Cloud Services: Azure
- Scripting Languages: Shell
- Package Manager: Helm
- Ticketing Tool : Service Now
- Monitoring Tool : Dynatrace, Splunk, Prometheus and Grafana
- Security Tool : Twistlock

Professional Experience

Project Name	TCS – Humana
Role	DevOps Engineer
Modules	AKS and DevOps
Team Size	5
Project Period	April 2022 – Present

Responsibilities:

- Experienced in creating the application pipelines for build and release in Azure DevOps.
- Experience on provisioning the AKS clusters using Terraform and Azure Devops CI/CD.
- Experienced in troubleshooting the pipeline failures for infrastructure and applications.
- Worked on Helm charts for add-on deployments in AKS clusters.
- Experienced in Git-Ops and Argo CD for infra and application deployments in AKS.
- Created terraform modules for deploying multiple tools in Kubernetes
- Integrated AKS with Hashicorp Vault for secrets management.
- Created TLS certificates for istio using Certmanager and Hashicorp vault for automatic certificate renewal.
- Received commendation for resolving critical connection issues from AKS clusters to storage accounts.
- Setting up monitoring tools like Dynatrace, Splunk, Prometheus and Grafana for multiple application teams
- Worked on Emergency CR for fixing TLS certificate issue in production clusters
- Implemented velero for automatic backup of resources in cluster
- Responsible for upgrading AKS clusters to be compatible with Microsoft support
- Experience in resolving Istio related issues
- Created dashboards and alerts in Dynatrace

Project Name	Cognizant- Microsoft PCF to AKS Migration
Role	DevOps Engineer
Modules	Cloud and DevOps
Team Size	6
Project Period	July 2018 – March 2022

Responsibilities:

- Responsible for validating the blueprint which contains the services list, Configmaps values, Secrets, NSG rules to be raised for that application.
- Actively monitoring the ADO pipelines which will create the AKS cluster and also will create the Azure keyvaults for different environments.
- Responsible for creating Dockerfile for different applications.
- Actively monitoring the Codefresh CICD pipelines and will be involved in troubleshooting the issues occurring in the pipelines.
- Actively co-ordinating with the Application team and the network team to resolve application related issues and NSG related issues.
- Actively involved in troubleshooting the Kubernetes pods and solving different types of issues in pods
- Involved in testing the application endpoint and healthcheck once the pod is stable.

Project Name	Cognizant- Estee Lauder
Role	Production Support
Modules	ServiceNow
Team Size	5
Project Period	November 2016 to June 2018

Responsibilities:

- Holds the responsibility of Incident Management & service request management for the entire account
- Handling Incidents that is getting assigned to the team in Service-now, following up with the resolver group until resolution.
- Following the incident management process for priority 1, 2, 3 and 4 incidents according to the defined guidelines
- Strict Adherence to the structured SLA's agreed with the clients always.
- Comprehensive, elaborative and brief Report generation of various criterion and categories satisfying the need of application team and customer as prescribed.
- Have engaged in performing regular system checks of the customer URL to verify the schedules are populated everyday as committed
- Collective Research and Analysis of the reports deriving meaningful inferences.
- Have documented the shift activities forming the SOPs of the Team tasks

Certifications

- Certified Kubernetes Administrator
- Microsoft Certified Azure Administrator
- Microsoft Certified Azure Fundamentals
- Microsoft Certified Devops Engineer