

MANOJ KUMAR M

DevOps & Platform Engineer | Microsoft Azure | AKS | Terraform | DevSecOps

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PROFESSIONAL SUMMARY

DevOps and Platform Engineer building and running secure, production Azure platforms since 2018. Hands-on with Azure Kubernetes Service (AKS), Terraform Infrastructure as Code (IaC), CI/CD in Azure DevOps and GitLab CI with built-in security gates, Azure API Management (APIM), private networking and observability. Certified Azure Administrator Associate (AZ-104) and HashiCorp Terraform Associate.

TECHNICAL SKILLS

Cloud: Microsoft Azure: AKS, API Management (APIM), Container Registry (ACR), Key Vault, Service Bus, Storage Accounts, Function Apps, Azure Database for PostgreSQL, Redis Cache, Microsoft Entra ID, Managed Identity

Infrastructure as Code: Terraform, Azure Verified Modules (AVM), modular multi-state design, remote state, ARM templates

CI/CD: Azure DevOps (YAML, multi-stage pipelines), GitLab CI, Jenkins, Git, reusable pipeline templates

Containers: Kubernetes, Docker, Helm, Dapr, Horizontal Pod Autoscaler (HPA)

Networking: Azure VNet, VNet Peering, Private Endpoints, private DNS, NSGs, Azure CNI Overlay, Cilium

DevSecOps: SAST (SonarCloud), dependency and image scanning (Trivy, JFrog Xray), RBAC, secrets management, distroless

Observability: Azure Monitor, Application Insights, Log Analytics, Prometheus, Grafana, Datadog, ELK Stack

Scripting: Bash, Python, Azure CLI, Linux

PROFESSIONAL EXPERIENCE

CNH Industrial (India) Pvt. Ltd. · Bengaluru

Feb 2023 - Present

Software Engineer II, DevOps & Platform Engineering

May 2025 - Present

Software Engineer I, DevOps Engineering

Feb 2023 - Apr 2025

- Build and operate production AKS clusters: provisioning, upgrades, node pools, autoscaling, isolation and hardening.
- Develop reusable Terraform modules for Azure using Azure Verified Modules (AVM), with a multi-state layout that separates networking, clusters and shared services.
- Design CI/CD pipelines in Azure DevOps and GitLab CI with reusable templates and enforced security gates for code, dependency and container image scanning.
- Manage Azure API Management (APIM): policies, backends, API lifecycle and automated OpenAPI publishing through pipelines.
- Implement private networking with VNets, peering, private endpoints and private DNS for platform services.
- Run observability with Azure Monitor, Prometheus, Grafana and Datadog; support production incidents and RCA.

Unified Softech · DevOps Engineer

Jan 2020 - Oct 2022

- Designed and deployed Kubernetes-based platforms on Azure for production workloads across client projects.
- Migrated legacy deployments to containerized architectures using Docker and Kubernetes.
- Implemented Infrastructure as Code using Terraform for repeatable environment provisioning.
- Built CI/CD pipelines that moved release cycles from weekly to daily.
- Introduced observability with Prometheus, Grafana and ELK; cut cloud costs 20-30% through right-sizing.

Cubespace Technologies · DevOps Engineer

Feb 2018 - Sep 2019

- Managed Azure infrastructure including virtual machines, networking and storage for client and internal projects.
- Introduced CI/CD automation pipelines, reducing manual release effort by ~50%.
- Containerized legacy applications, supported Kubernetes deployments, and implemented monitoring and logging.

CERTIFICATIONS

- Microsoft Certified: Azure Administrator Associate (AZ-104), 2026 · HashiCorp Certified: Terraform Associate (003), 2025
- Microsoft Certified: Azure Fundamentals (AZ-900), 2023 · In progress: Certified Kubernetes Administrator (CKA)

EDUCATION

B.E. in Electronics & Communication, Don Bosco Institute of Technology, Bengaluru

Aug 2014 - Jun 2018