

CHETHAN K

DevOps & Cloud Engineer | AKS · Terraform · Bicep · Azure DevOps

99.7% Uptime · 20+ CI/CD Pipelines · 60+ Tenant Platform

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SUMMARY

DevOps & Cloud Engineer with 4+ years of hands-on experience designing, building, and operating cloud-native infrastructure on Microsoft Azure. Own end-to-end CI/CD pipeline design, production-grade AKS cluster management, and Infrastructure as Code (Terraform, Bicep) across a 60+ tenant platform sustaining 99.7% uptime. Security-first approach with hands-on RBAC, Conditional Access, Entra ID/SSO, Key Vault, and SAST, backed by 24x7 incident, change, and capacity management experience. Targeting Senior DevOps Engineer / Platform Engineer / SRE roles.

TECHNICAL SKILLS

Cloud Platform: Microsoft Azure — AKS, Container Apps, App Service, Azure Functions, Azure Virtual Desktop (AVD/FSLogix), Front Door (WAF/CDN), Azure SQL, Storage/Blob, Key Vault

Infrastructure as Code: Terraform, Bicep, ARM Templates, PowerShell automation

CI/CD & Source Control: Azure DevOps Pipelines (YAML), branch policies & quality gates, GitHub, GitHub Actions, GitHub Copilot / AI coding agents

Containers & Orchestration: Docker, Azure Kubernetes Service (AKS) — production cluster management & autoscaling, Azure Container Registry

Identity & Security: Microsoft Entra ID, Google OAuth/SSO, RBAC, Conditional Access, SAST, Azure Policy governance

Observability: Azure Monitor, Log Analytics, Application Insights, Prometheus, Grafana, OpenTelemetry

Backend & Languages: C#, .NET Core (CQRS), React, JavaScript, Python, SQL

Operations: 24x7 production support, incident/change/capacity management, multi-tenant SaaS operations, cost optimization

PROFESSIONAL EXPERIENCE

DevOps Engineer | [Ascertra](#) Jan 2025 – Present

Bengaluru, India

- Own end-to-end lifecycle of production Azure infrastructure — AKS, CI/CD, security, and observability — sustaining 99.7% platform uptime under 24x7 on-call, including incident management, RCA, and capacity planning.
- Designed and deployed a secure, customer-facing multi-tenant file delivery platform (ASP.NET Core Web API, React, Azure SQL, Blob Storage) serving 60+ tenants with high availability and security compliance.
- Engineered identity and access management with Microsoft Entra ID, Google OAuth, and SSO, enforcing fine-grained RBAC for auditable, secure package delivery to external clients.
- Architected Azure Virtual Desktop environments with FSLogix profile management and Conditional Access policies for secure, policy-enforced remote access.
- Configured Azure Front Door with custom routing rules, WAF policies, and CDN integration, optimizing global traffic distribution and latency for a customer-facing platform.
- Owned 20+ YAML-based Azure DevOps pipelines across dev, staging, and production with zero-downtime deployments.
- Implemented Prometheus and Grafana alongside Azure Monitor for full-stack observability, and built an orphaned-resource detection tool with automated alerts to cut wasted cloud spend.
- Rolled out GitHub Copilot / AI coding agents across engineering repositories to accelerate development workflows.

Software Engineer | [Vela Technologies India](#) Mar 2022 – Dec 2024

Bengaluru, India — progressed Trainee → Associate Software Engineer → Software Engineer

- Built and automated Azure infrastructure provisioning with Bicep templates and PowerShell, cutting manual provisioning effort by 90% and enabling consistent, repeatable deployments with .NET Core and IaC from day one.
- Designed and developed scalable REST APIs using .NET Core with the CQRS pattern, separating read and write concerns to improve maintainability, testability, and performance under load.
- Established Azure DevOps CI/CD pipelines from scratch, enforcing code quality standards, branch policies, and automated testing gates so only production-ready code shipped.

EDUCATION

B.E., Information Science and Engineering

MVJ College of Engineering, Bengaluru (Visvesvaraya Technological University) — CGPA: 8.5/10

CERTIFICATIONS & CONTINUOUS LEARNING

- Microsoft Certified: Azure Administrator Associate (AZ-104) — in progress
- IBM Data Science Specialization (Coursera) — Python, Data Analysis, Applied Capstone
- LinkedIn Learning — AZ-305 exam-prep: Networking/Storage, Identity/Governance/Monitoring