

# CHETHAN S.

## Cloud Platform Architect | Platform Engineering, Governance & DevOps

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Cloud Platform Architect with 14+ years of experience modernizing on-prem workloads and designing scalable cloud platforms. Specializes in CI/CD reference architectures, governance guardrails, and cost-aware cloud operations across enterprise-scale environments. Combines hands-on DevOps expertise with architectural decision-making to build secure, scalable platforms while mentoring teams and aligning engineering practices with ISO 27001:2022 security and compliance requirements.

## WORK EXPERIENCE

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### HEXAGON CAPABILITY CENTER INDIA PVT. LTD., HYDERABAD

*Global technology R&D hub for Hexagon AB, a global leader in digital reality solutions*

#### Senior DevOps Lead

JAN 2023 - FEB 2026

- Helped define cloud architecture standards across 10+ Azure subscriptions supporting 200+ engineers and multiple product teams.
- Designed resilient CI/CD reference architecture leveraging Kubernetes job orchestration, container registry caching, and elastic autoscaling build agents, improving pipeline throughput and reducing external dependency failures.
- Guided on-prem to cloud migration architecture covering private connectivity, RBAC design, Azure Entra identity integration, and environment isolation strategies aligned to least-privilege principles.
- Implemented cloud governance guardrails using policy-as-code (Azure Policy) to control costs, standardize compute SKUs, and enforce platform compliance.
- Standardized infrastructure provisioning and observability using IaC and cloud-native monitoring, improving deployment consistency and reducing mean time to diagnose CI/CD and production incidents.
- Partnered with engineering leadership and audit stakeholders to align platform evolution with ISO 27001:2022 controls and compliance expectations.

#### Technical Lead

JAN 2020 - DEC 2022

- Designed and enforced platform security controls, automating Azure SQL firewall management and private connectivity to reduce manual intervention by over 90% while improving isolation and access governance.
- Implemented private connectivity using Azure Private Link and private endpoints to eliminate public exposure of critical cloud workloads.
- Defined scalable Kubernetes deployment patterns using Helm charts and manifests to support high availability, disaster recovery, and consistent application scaling.
- Re-architected CI execution capacity using elastic autoscaling agents (Azure VMSS), reducing build queue times from 15 minutes to under 2 minutes through on-demand scaling.

- Implemented cost-aware cloud runtime strategies by adopting Spot/preemptible VMs for dev/test workloads and introducing automated spend alerts to prevent uncontrolled resource consumption.

## **Software Analyst → Senior Software Analyst → Software Consultant**

JULY 2011 - DEC 2019

- Early contributor to DevOps adoption at Hexagon SIG, where I helped establish automation and release practices that later formed the foundation for broader CI/CD adoption.
- Standardized build and quality pipelines by onboarding legacy applications to Azure DevOps and introducing containerization.
- Extended influence beyond the immediate team by serving as SPOC for Microsoft Gold Partner certification and authoring blog posts.

## TECHNICAL EXPERTISE

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**Cloud Platforms:** Azure, AWS

**Cloud Platform Architecture & Governance:** Multi-subscription environments, private connectivity, RBAC modeling, policy-as-code, ISO 27001:2022 alignment

**Platform Engineering & CI/CD Architecture:** GitHub Actions, Azure DevOps, Jenkins, Kubernetes-based CI execution patterns, Elastic autoscaling build agents, Container registry strategy

**Infrastructure as Code & Automation:** Terraform, ARM/Bicep, Ansible, PowerShell, Shell scripting

**Containers & Orchestration:** Docker, Kubernetes, Helm

**Observability & DevSecOps:** Cloud-native monitoring, Secure SDLC, SonarQube, Synopsys Black Duck

**Cost Optimization & Resource Strategy:** Compute SKU governance, Spot/preemptible VM segmentation, Monitoring-driven right-sizing, Spend visibility frameworks

**AI-Assisted Engineering:** GitHub Copilot, ChatGPT, Gemini, OpenAI API experimentation, prompt-driven development workflow

**Supporting Technologies:** Git, Bitbucket, JIRA, Confluence, VMware ESXi, Hyper-V

## VOLUNTEER EXPERIENCE

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- DevOps trainer for NASSCOM GCC Skills Development Initiative (200+ students)

## EDUCATION

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### **M.Tech, Remote Sensing & GIS**

*National Institute of Technology Karnataka, Surathkal*

### **B.E., Civil Engineering**

*Visvesvaraya Technological University, Belagavi*