

# Gourav Kumar

## Senior Cloud Platform / Infrastructure Engineer (Azure & GCP)

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## PROFESSIONAL SUMMARY

Platform-focused Cloud Engineer with 9+ years of experience designing, building, and operating secure, scalable cloud foundations for large enterprises in regulated environments. Proven expertise in **cloud architecture, landing zones, and infrastructure platforms** using Terraform and PowerShell across Azure and GCP. Strong ownership mindset with a track record of enabling self-service for product teams, enforcing security and reliability guardrails, and improving cost efficiency through standardization and observability.

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## CORE EXPERTISE

**Cloud Platforms:** Azure, GCP

**Architecture & Design:** Enterprise Landing Zones, Hub-Spoke Networking, Shared Services, IAM, Azure Virtual Desktop

**Infrastructure as Code:** Terraform (modules, remote state, CI/CD), ARM, Bicep

**Automation & CI/CD:** PowerShell, Azure DevOps Pipelines, Git-based workflows

**Platform Engineering:** Multi-subscription / multi-project platforms, self-service enablement, governance guardrails

**Reliability & Security:** Azure Monitor, Log Analytics, Sentinel, SCOM, DR & backup strategy, Azure Firewall

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## PROFESSIONAL EXPERIENCE

### Senior Platform SRE / Cloud Platform Engineer

**CME Group — Belfast, United Kingdom**

*06/2024 – Present*

- Designed and owned GCP landing zone architecture (networking, IAM, logging, monitoring) supporting 50+ trading workloads.
- Built Terraform-based platform pipelines and reusable modules enabling standardized, self-service provisioning for multiple development teams.

- Defined SLOs, SLIs, and observability standards across platform services, reducing alert noise and improving service reliability.
  - Partnered with application, security, and compliance teams to align platform architecture with regulatory and operational requirements.
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## Senior Consultant – Cloud Platform & Architecture

**Deloitte (USI / UK)** — Hyderabad, India / Belfast, United Kingdom

01/2021 – 05/2024

- Led design and implementation of enterprise Azure landing zone architectures across 30+ subscriptions using Terraform and native Azure services.
  - Authored HLD/LLD documents, reference architectures, and reusable IaC patterns adopted as standards across 12+ client engagements.
  - Guided application teams through cloud-native migration strategies, balancing security, availability, scalability, and cost tradeoffs.
  - Standardized CI/CD, identity, and governance patterns for multi-tenant Azure environments in regulated industries.
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## Azure Build Engineer / Platform Engineer

**Rackspace** — Gurugram, India

02/2020 – 09/2020

- Designed and delivered highly available Azure platforms (IaaS/PaaS) for EMEA and UK enterprise customers.
  - Implemented hub-and-spoke networking, hybrid connectivity (S2S/P2S VPN), and shared services architectures.
  - Automated Azure provisioning and operational workflows using Terraform, ARM, and PowerShell.
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## Senior Analyst – Cloud & Monitoring Platforms

**HCL Technologies** — Lucknow, India

09/2016 – 01/2020

- Designed and operated Azure and SCOM-based monitoring platforms for large enterprise environments.
  - Built PowerShell automation to streamline cloud administration, patching, and backup workflows, reducing manual operational effort.
  - Led upgrades and integrations of monitoring platforms, improving reliability and reducing operational overhead.
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## SELECTED ARCHITECTURE & PLATFORM PROJECTS

### GCP Trading Platform Foundation – CME Group

- Defined shared services and landing zone architecture (IAM, logging, monitoring, networking) supporting 50+ workloads.
- Implemented Terraform modules and CI/CD pipelines enabling repeatable, compliant platform deployments.

### Enterprise Azure Landing Zones – Global Insurance Client

- Built reusable Azure landing zone frameworks that reduced environment provisioning time by approximately 60%.
- Led migration of legacy applications into standardized cloud platforms, achieving 99.9% availability.

### Azure Virtual Desktop Platform – Energy & Utilities Client

- Architected and automated Azure Virtual Desktop platform for ~2,000 users with integrated disaster recovery and RTO under 4 hours.
  - Implemented Azure Firewall and policy-driven network security across 23+ virtual networks.
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## CERTIFICATIONS

- Microsoft Certified: Azure Solutions Architect (AZ-300 / AZ-301) [\[link\]](#)
  - Microsoft Certified: Azure Administrator Associate (AZ-104) [\[link\]](#)
  - Microsoft Certified: Azure Security Engineer Associate (AZ-500) [\[link\]](#)
  - Microsoft PowerShell Intermediate
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## OPEN SOURCE & COMMUNITY

- Maintainer of Terraform, Bicep, and PowerShell repositories used by engineers in the global Azure community. [\[link\]](#)
  - Author of 30+ technical blogs on cloud architecture, Terraform, and automation.
  - Community contributor with 7K+ script downloads and multiple TechNet community badges. [\[link\]](#)
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## EDUCATION

### Bachelor of Technology (Computer Science)

Uttar Pradesh Technical University — India