

RAHUL SINGH

Kolkata, India | +91 70446 47992 | rahulsinghrk111@gmail.com | [LinkedIn](#) | [GitHub](#) | [Credly](#)

PROFESSIONAL SUMMARY

Cloud & DevOps Engineer with 4+ years of experience designing, automating, and operating enterprisescale cloud platforms across Azure (primary), AWS, and GCP. Strong expertise in Infrastructure as Code (Terraform), CI/CD engineering, Kubernetes (AKS/GKE), cloud security, observability, and cost optimisation. Proven record of reducing deployment effort by 60%, improving latency by 35%, and achieving 99.9% uptime for regulated healthcare and energy workloads.

CORE TECHNICAL SKILLS

- **Cloud Platforms:** Azure (Primary), AWS, GCP
- **Infrastructure as Code:** Terraform, Azure Bicep
- **CI/CD:** Azure DevOps, GitHub Actions, Jenkins
- **Containers & Orchestration:** Docker, Kubernetes (AKS, GKE), Helm
- **Monitoring & Observability:** Azure Monitor, Prometheus, Grafana, CloudWatch
- **Security & Identity:** Azure AD, IAM, RBAC, Key Vault, Defender
- **Scripting:** Python, PowerShell, Bash
- **Data & Integration:** Azure Data Factory, Synapse, AWS EMR
- **Operating Systems:** Linux (RHEL/Ubuntu), Windows Server

PROFESSIONAL EXPERIENCE

Wipro Ltd. – Cloud & DevOps Engineer

Feb 2022 – Present | Kolkata

Platform Engineering & CI/CD

- Re-architected CI/CD pipelines using Azure DevOps & GitHub Actions, accelerating release cycles by 40% across 10+ applications.
- Embedded Infrastructure as Code (Terraform) within pipelines, reducing provisioning time from 2 hours to 20 minutes and lowering deployment failures by 90%.
- Automated patching, backup orchestration, and log analytics workflows using Python and PowerShell, increasing operational efficiency by 50%.
- Cloud Architecture & Infrastructure
- Architected secure, multi-environment Azure infrastructure (VMs, VNets, NSGs, Load Balancers, Storage, Front Door) aligned with regulatory compliance.
- Implemented Azure Front Door and global load-balancing strategies, improving application response time by 35%.
- Optimized Azure Data Factory pipelines, reducing operational costs by 25% while improving data reliability.
- Kubernetes & Platform Reliability
- Deployed containerised workloads on AKS using Helm with automated GitHub Actions release workflows.
- Achieved 99.9% platform uptime through monitoring frameworks using Azure Monitor, Prometheus, and Grafana.
- Reduced incident response time by 30% through intelligent alerting and observability dashboards.
- Cloud Security & Governance
- Strengthened cloud security posture by enforcing RBAC policies, Azure Defender configurations, and secure IAM governance.

KEY PROJECTS

Infrastructure Automation & CI/CD Modernisation

Built reusable Terraform modules to standardise Azure compute, network, and storage provisioning. Enabled controlled infrastructure rollbacks with versioned CI/CD governance.

- 60% reduction in manual deployment effort
- 90% decrease in configuration errors
- Performance & Training Management Platform (AKS Deployment)
- Orchestrated Dockerised applications on AKS using Helm.
- Implemented automated release governance via GitHub Actions.

Performance & Training Management Platform Deployment | Azure AKS 99.9% uptime

- 70% reduction in manual deployments
- SharePoint to Azure Data Migration
- Designed automated migration pipelines using Azure Data Factory, Logic Apps, and PowerShell.
- Migrated 100% of legacy data with zero data loss.

SharePoint → Azure Data Migration Pipeline

- 85% faster transfer time
- Big Data Processing Platform – AWS EMR
- Provisioned EMR clusters via Terraform with autoscaling & spot optimisation.

Big Data Processing Platform | AWS EMR & Hadoop

- 80% faster processing of 10M+ records
- 25% cost reduction

CERTIFICATIONS (Condensed)

- **Azure:** Solutions Architect Expert, Administrator, Developer, Data Engineer, AI Engineer
- **GCP:** Professional Cloud Architect, DevOps Engineer, Data Engineer, Cloud Leader
- **AWS:** Solutions Architect Associate, Cloud Practitioner, CloudOps Associate
- **GitHub:** GitHub Foundations

EDUCATION

M.Tech – Software Systems (2025)

BITS Pilani

BCA – 2021

MAKAUT (WB)