ABHAY KUMAR

📞 +91-7835998969 | ✉ abhaysingh19oct@gmail.com | 🔗 abhayslinkk | 🐙 abhaysgitt | 🌐 Portfolio

EXPERIENCE

Kubernetes   Jan 2026 – Feb 2026

Kubernetes Release Team (Remote)

- Leading the release cycle for the Cluster API project under Kubernetes SIG Cluster Lifecycle.
- Coordinating release timelines, documentation, and issue triage across multiple infrastructure providers.
- Collaborating with community members, reviewers, and maintainers to ensure stability and quality across releases.
- Actively contributing to Kubernetes and SIG projects through code reviews, PRs, and technical discussions.

PROJECTS

Multi-Cluster Kubernetes Deployment with Global Load Balancing | *K8s, GLB, Git*   Nov 2025 – Dec 2025

- Designed and deployed an application across **multiple Kubernetes clusters** in different regions to enable high availability and fault tolerance.
- Implemented global load balancing to route traffic across clusters based on location and availability, improving performance and resilience.
- Applied **cloud-native system design principles** including scalability, disaster recovery, and globally distributed deployments.

CI/CD with Jenkins and Terraform | *Jenkins, Terraform, Git, CI/CD, IaC*   Oct 2025 – Nov 2025

- Designed and implemented a **Jenkins-based CI/CD pipeline** integrated with Git to automatically trigger and deploy infrastructure changes using Terraform.
- Automated **Terraform plan and apply workflows** by following Infrastructure as Code (IaC) principles, enabling consistent, version-controlled, and repeatable infrastructure deployments.
- Improved deployment reliability by applying **CI/CD best practices** to infrastructure automation, gaining hands-on experience with real-world DevOps workflows.

Containerized App Deployment using Docker and Kubernetes | *Docker, Kubernetes, Git*   Sept 2025 – Oct 2025

- Containerized a web application using **Docker**, creating optimized images to ensure consistent and portable deployments across environments.
- Deployed the containerized application to a **Kubernetes cluster**, working with core orchestration concepts such as pods, deployments, and services.
- Enhanced understanding of **cloud-native and microservices fundamentals** by managing containerized workloads with Kubernetes features including scalability and self-healing.

SKILLS

Programming Languages: Python, Go, Bash, SQL
Cloud Platforms: AWS, Azure
Containerization: Kubernetes, Docker, Amazon ECR
CI/CD Tools: GitHub Action, Jenkins, GitLab, ArgoCD
Infrastructure as Code: Terraform, Ansible, CloudFormation
Monitoring and Logging: Grafana, Prometheus, CloudWatch

EDUCATION

Techno Main Salt Lake - Kolkata   2024 - 2028

B.Tech - Computer Science and Engineering

CERTIFICATION

- **Certified Kubernetes Administrator – CNCF (2025):** Cluster operations, networking, troubleshooting.
- **AWS Certified Solutions Architect – Associate (2025):** VPC, EC2, IAM, Load Balancing, HA design.
- **HashiCorp Terraform Associate (2026):** IaC, modules, state management.