ABHISHEK CHOUDHARY

DevOps Engineer | Azure | AWS | Kubernetes | Terraform | CI/CD

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PROFESSIONAL SUMMARY

DevOps Engineer with 5+ years of experience in cloud infrastructure and automation on Microsoft Azure and AWS. Strong skills in Kubernetes (AKS, EKS), CI/CD pipelines, Infrastructure as Code (Terraform, Ansible) and monitoring (Prometheus, Grafana, Loki). Cut deployment time from 2 hours to 20 minutes, reduced manual configuration by 40%, and built highly available multi-region Azure setups for a live loan-tendering platform and multi-client SaaS products.

KEY ACHIEVEMENTS

- Reduced deployment time from 2 hours to 20 minutes with end-to-end CI/CD automation (Jenkins, GitHub Actions, GitLab CI/CD).
- Built a dual-region active-passive AKS production setup on Azure with Front Door, removing single-region downtime risk for a live loan-tendering platform.
- Cut manual configuration effort by 40% with Infrastructure as Code, removing environment drift across dev, staging and production.
- Improved incident detection with a Prometheus, Grafana and Loki stack and 49+ custom alert rules across Kubernetes, ingress, database and application layers.

TECHNICAL SKILLS

- **Cloud Platforms:** Microsoft Azure (AKS, Front Door, Application Gateway, PostgreSQL Flexible Server, Blob Storage, VNet, VPN), AWS (EC2, VPC, IAM, S3, EKS, ECS, Lambda, CloudFront, CodePipeline)
- **Containers & Orchestration:** Kubernetes (AKS, EKS), Docker, Helm, AGIC Ingress
- **Infrastructure as Code:** Terraform, Ansible, AWS CloudFormation
- **CI/CD Tools:** GitLab CI/CD, Jenkins, GitHub Actions, AWS CodePipeline, Bitbucket Pipelines, ArgoCD
- **Monitoring & Logging:** Prometheus, Grafana, Loki, Promtail, Alertmanager, ELK Stack, AWS CloudWatch
- **Scripting:** Bash, Python, Shell Scripting, PowerShell
- **Version Control:** Git, GitHub, GitLab, Bitbucket
- **Security:** IAM Least Privilege, Secrets Management, SSL/TLS, Keycloak (SSO), Trivy, SonarQube
- **Platform & Practices:** Backstage (Internal Developer Platform), GitOps, Blue/Green Deployment, High Availability, Disaster Recovery, Observability, Troubleshooting and Root Cause Analysis

PROFESSIONAL EXPERIENCE

DevOps Engineer | RoutaDigital India (RDI) **May 2026 – Present**

- Own Azure infrastructure for the Ador loan-tendering platform: dual-region active-passive AKS production, Azure Front Door routing, AGIC ingress, PostgreSQL Flexible Server and Redis (Helm).
- Designed blue/green deployments using Azure Front Door origin weights and header-based traffic testing, enabling zero-downtime releases.
- Built an enterprise Azure Terraform platform (management groups, naming, networking, AKS modules) aligned with Microsoft CAF, ALZ and WAF, reducing AKS cluster onboarding to about 12 variables.
- Deployed Prometheus, Grafana, Loki, Promtail and Alertmanager with 49+ alert rules, improving incident detection and cutting false alerts.
- Fixed intermittent email delivery failures across 9 Node.js microservices by finding connection-pool staleness and SSL misconfiguration.
- Automated a multi-client VM deployment framework with Ansible (8 roles, 57 files) for the ELSA platform: server setup, deployment and SSL certificates.
- Designed GitLab CI/CD pipelines for VM (PM2) and AKS (Helm) targets across multiple client environments.
- Building a self-service Internal Developer Platform on Backstage with Keycloak SSO, where developers request VMs and AKS clusters through forms (auto-apply for dev and staging, approval for production) on top of the Terraform module library.

DevOps Engineer | Tech Rajendra **June 2025 – April 2026**

- Built CI/CD pipelines with Jenkins and GitHub Actions, reducing deployment time by 25%.
- Automated infrastructure with Terraform and Ansible for consistent dev, staging and production environments.
- Deployed Docker and Kubernetes workloads, improving scalability and availability; managed AWS and Azure resources (EC2, VPC, IAM, S3, CloudFront).
- Added IAM least-privilege policies, secrets management and automated vulnerability scanning in pipelines.

Associate DevOps Engineer | Choudhary Service Station (Technology Operations) **June 2022 – April 2025**

- Built end-to-end CI/CD pipelines for web and mobile apps, cutting deployment time by 30%.
- Deployed containerized and serverless workloads on AWS ECS, EKS and Lambda.
- Managed AWS networking and security (IAM, VPC, EC2, CloudFront); led monitoring work that reduced incidents by 25%.

Junior DevOps Engineer | ASW Tours & Travels Pvt. Ltd. **September 2020 – March 2022**

- Built and maintained 50+ CI/CD pipelines (Jenkins, Git, Bitbucket, AWS CodePipeline) across 20+ client environments on AWS and Azure.
- Led migration of on-premise applications to AWS using Terraform and CloudFormation with zero data loss.
- Set up centralized logging and monitoring with ELK Stack and Grafana, reducing downtime by 20%; ran security audits covering IAM, SSL/TLS and encryption.

PROJECTS

Ador Loan Tendering Platform: Dual-Region Azure Front Door and AKS **Azure | Production**

Tech Stack: *Azure (AKS, Front Door, AGIC, PostgreSQL Flexible Server, VNet), Helm, Redis, Terraform, GitLab CI/CD, Prometheus, Grafana, Loki*

- Designed a dual-region active-passive AKS production environment (West Europe and North Europe) behind Azure Front Door with AGIC ingress, removing single-region downtime risk for a live platform.
- Implemented zero-downtime blue/green releases using Front Door origin-weight routing, header-based test traffic and Kubernetes rolling updates with automated rollback.
- Set up PostgreSQL Flexible Server, Redis (Helm) and a monitoring stack with 49+ alert rules across Kubernetes, ingress, database and application layers.
- Deployed 11 microservices with GitLab CI/CD (manual deploy jobs, GitLab Agent, runtime secret injection) and ran a shared Keycloak SSO across both production clusters.
- Automated a nightly PostgreSQL sync between regions (West Europe to North Europe) using Managed Identity, Private Endpoint and pg_dump/pg_restore; migrated PostgreSQL 15 to 18 on Flexible Server.
- Built a new staging environment on AKS with Application Gateway and AGIC, and migrated data from the old staging setup.

End-to-End CI/CD and Cloud Pipeline: Microservices E-Commerce Platform **AWS | EKS**

Tech Stack: *AWS (EKS, EC2, S3, RDS, CloudFront, IAM, VPC), Terraform, Ansible, Jenkins, GitHub Actions, Docker, Helm, ArgoCD, ELK, Prometheus, Grafana, SonarQube, Trivy*

- Deployed 12 microservices on AWS EKS handling 50,000+ daily requests with 99.9% uptime.
- Built a CI/CD pipeline from commit to production in under 12 minutes, with SonarQube and Trivy scans blocking insecure builds.
- Provisioned AWS with modular Terraform, used Ansible for configuration and ArgoCD for GitOps; ELK logging cut log investigation time by 60%.

Highly Available AWS Architecture: 3-Tier Web Application **AWS | Multi-AZ**

Tech Stack: *AWS (VPC, EC2, ALB, ASG, RDS Multi-AZ, ElastiCache, S3, CloudFront, Route53, CloudWatch, SNS), Terraform, Ansible, Jenkins, Nginx*

- Built a 3-tier architecture across 2 Availability Zones with ALB, Auto Scaling and RDS MySQL Multi-AZ, achieving 99.95% uptime and failover under 60 seconds.
- Used ElastiCache (Redis) to cut API response time from 420 ms to 85 ms, and CloudFront to reduce origin load by 65%; built a Jenkins blue/green pipeline with automatic rollback.

CERTIFICATIONS

- Executive Post Graduation Certification in Cloud and DevOps, IIT Roorkee (iHub DivyaSampark)
- AWS Cloud Certification, Intellipaat

EDUCATION

Bachelor of Science (PCM), CCS University, Meerut