

Vishal Kushwah

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SUMMARY

DevOps engineer with **3 years** turning infrastructure chaos into reliable, automated systems — across **AWS** and **Azure**, with a focus on cost control, CI/CD, and **observability**. Cut **cloud costs 55%**, deployment time **40%**, and built an internal **AI-powered tool** that's now used **platform-wide** for incident investigation

SKILLS

- **Cloud Platforms:** AWS (EKS, ECS, EC2, RDS, S3, SES, IAM), Azure (AKS, ACR, VMs, Blob Storage, Azure SQL, Event Hub, Key Vault, Application Gateway)
- **CI/CD & IaC:** Jenkins, GitHub Actions, ArgoCD, Terraform, Helm, GitOps
- **Containers & Orchestration:** Docker, Kubernetes (EKS, AKS), Blue-Green Deployments, Pod Security Policies
- **Messaging & Event Streaming:** Kafka, RabbitMQ, Azure Event Hub
- **Monitoring & Observability:** Prometheus, Grafana (custom dashboards), Loki, Promtail, CloudWatch, Azure Monitor, Log Analytics
- **Security & Compliance:** IAM, RBAC, WAF, SIEM, VPN, SSL/TLS, SOC 2 controls, Trivy, Azure Key Vault
- **Databases & Storage:** PostgreSQL, MySQL, Redis (Sentinel), Azure MySQL, RDS, S3, Azure Blob Storage
- **Automation & Scripting:** Python, Bash, Shell, YAML, n8n workflow automation
- **Application Development:** React, Node.js (internal tooling)
- **Platform Tools:** Langfuse, Metabase, Model Context Protocol (MCP)

EXPERIENCE

DevOps Engineer

RDash

December 2025 - Present, Gurugram, India

- Drove ongoing Azure cost optimization for the Rdash platform, delivering approximately **\$5,000/day in additional savings** through resource right-sizing and usage analysis.
- Built and maintain an internal self-service **Control Tower** web application (**React, Node.js**) for Rdash's marketing team, reducing dependency on engineering for routine deployment visibility.
- Deployed, configured, and maintained core Rdash platform tools including **Langfuse, Metabase**, and **Grafana**, building **custom dashboards** on **PostgreSQL** data sources and configuring alerting for key metrics.
- Configured and maintained **CI/CD pipelines** with **GitHub Actions** for Rdash services, and led **investigation and resolution of production issues** across the platform.
- Strengthened Rdash's security posture by implementing **WAF, SIEM**, and **VPN** solutions, with **proactive alerting** configured for security events.
- Implemented **SOC 2 compliance controls** across Rdash's infrastructure and processes, supporting **audit readiness**.
- Managed all Rdash Azure infrastructure as code using **Terraform**, applying security best practices including **RBAC** and **IAM** policies.
- Enabled **scalable, decoupled service communication** for Rdash by configuring event-driven messaging infrastructure with **Kafka, RabbitMQ**, and **Azure Event Hub**.
- Enhanced observability across the Rdash platform by integrating **Prometheus, Grafana**, and **Loki**, and automating workflow orchestration and issue debugging using **n8n**.
- Designed and built the **Rdash DevOps MCP** — an internal AI-powered observability platform (**Model Context Protocol** server) exposing **79 tools** across databases, Kubernetes, logs, and error tracking, enabling **natural-language infrastructure investigation** and root-cause analysis to reduce **mean time to resolution (MTTR)**.

DevOps Engineer

XGrowth LLC

October 2023 - December 2025, Noida, Uttar Pradesh

- Automated CI/CD pipelines with Jenkins, cutting deployment times by **40%** and speeding up release cycles across multiple environments.
- Migrated production infrastructure from AWS (EC2, S3, RDS) to Azure (VMs, Blob, SQL) with **zero downtime**, keeping the business running throughout.
- Deployed and managed containerized workloads on EKS and AKS with Kubernetes, implementing **blue-green deployments** and DNS routing for high availability.
- Moved container image builds from AWS ECR to Azure ACR using GitHub Actions and Helm for consistent, reproducible deployments.
- Replaced AWS SES with Azure Communication Services, configuring SPF/DKIM/MX records for **100% email deliverability**.
- Engineered a Redis Sentinel setup that cut failover time to **under 10 seconds**, improving cache resilience across hybrid cloud environments.
- Added Prometheus, Grafana, Loki, Promtail, and Azure Monitor for observability, and archived logs to S3/Blob to meet compliance retention requirements.
- Secured infrastructure with RBAC, IAM, and pod-level network isolation, and automated SSL provisioning via ALB and Azure Application Gateway.
- Automated operational workflows with Shell scripting, cutting manual intervention by **25%**.

- Reduced cloud spend by **55% (₹1.5L – ₹65K/month)** through workload optimization, right-sizing, and automation.
 - Built an internal MCP server exposing 79 tools across databases, Kubernetes, logs, and error tracking, letting engineers investigate infrastructure issues in plain English instead of manually cross-referencing multiple dashboards.
 - Before this tool, diagnosing a production issue — like a sudden DB spike — meant manually digging through logs, metrics, and dashboards across separate systems, often taking **around 2 hours** to pin down the root cause.
 - With the MCP in place, the same root-cause investigation now takes **a few minutes**, since the tool pulls and correlates data from all sources automatically in response to a natural-language query.
 - Reduced platform-wide **mean time to resolution (MTTR)** and cut the dependency on senior engineers being available to manually trace incidents.
 - Developed a role-based access control (RBAC) layer in MCP, granting precise permissions to over 60 engineers and auditors and enhancing platform security compliance audit readiness.
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PROJECT

Rdash DevOps MCP — AI-Powered Infrastructure Observability Platform

RDash • May 2026 – July 2026

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CERTIFICATIONS

AWS Certified Solutions Architect – Professional

Amazon Web Services (AWS) • 2026

- Demonstrates advanced expertise in designing secure, scalable, highly available, and cost-optimized AWS solutions.
 - Validates professional-level expertise in AWS architecture, security, networking, migration, and disaster recovery.
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EDUCATION

Bachelor of Technology (B.Tech) in Civil Engineering

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