Gaurav Kaushal

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

Jaipur, Rajasthan / India | +91 7976135106 | gauravkaushal1996@gmail.com | linkedin.com/in/gauravkaushal1996

SUMMARY

DevOps Engineer with hands-on experience in cloud infrastructure, automation, and CI/CD pipelines. Skilled in AWS, Kubernetes, Terraform, and Jenkins, with a strong focus on infrastructure as code (IaC) and cloud security best practices. Passionate about streamlining operations through automation and optimizing cloud performance.

TECHNICAL SKILLS:
- Cloud Services: AWS (VPC, EC2, EKS, ECS, S3, CodePipeline, CodeBuild, CodeCommit, Route 53)
- CI/CD & Automation: Jenkins, GitHub Actions, Ansible
- Containerization & Orchestration: Docker, Kubernetes (EKS), Helm Charts
- Infrastructure as Code (IaC): Terraform, AWS CloudFormation
- Monitoring & Logging: AWS CloudWatch, Prometheus (Basics), Grafana (Basics)
- Scripting & Programming: Python, Bash
- Operating Systems: Linux (Ubuntu, RHEL)

PROFESSIONAL EXPERIENCE

Nlineaxis IT Solutions Private Limited   Jaipur, Rajasthan/India
Senior Data Analyst Turned DevOps Engineer   *Dec 2018 – Mar 2025*

- **Infrastructure Automation:** Automated infrastructure provisioning and management using Terraform and Ansible, developing reusable modules for VPCs, EC2 instances, and security groups, reducing manual configurations by 40%.
- **CI/CD Pipeline Development:** Developed and optimized CI/CD pipelines using Jenkins, GitHub Actions, and Argo Rollouts, aligning with industry best practices for deployment automation.
- **AWS Optimization:** Architected and optimized AWS cloud environments, achieving a 20% reduction in cloud expenses through resource efficiency.
- **Containerization:** Deployed and managed containerized applications using Kubernetes (EKS) using helm charts and YAML manifests, streamlining resource allocation.
- **Monitoring & Logging:** Integrated Prometheus and Grafana for system monitoring, achieving 99.9% uptime. Enhanced centralized logging with the EFK stack.
- **Cross-functional Collaboration:** Collaborated with cross-functional teams to troubleshoot critical issues, improving deployment success rates by 25%.
- **Security:** Implemented security measures, including vulnerability assessments and secure configuration of AWS resources.
- **Security & Compliance:** Implemented IAM best practices, automated security patches, and enforced access control policies.

Locus R.A.G.S.   Jaipur, Rajasthan/India
Data Analyst   *Jan 2018 – Dec 2018*

- **Data Analysis & Visualization:** Processed large datasets (10K–1M records) using Tableau and Excel, delivering actionable insights to stakeholders.
- **Predictive Modeling:** Developed predictive models in Python and R, achieving up to 90% accuracy in forecasting sales and customer trends.
- **Client Collaboration:** Collaborated with clients to identify requirements and deliver data-driven solutions for business optimization.
- **Machine Learning Application:** Contributed to a machine learning-powered song recommendation system, increasing user engagement by 25%.

Key Achievements:
- Built dashboards tracking KPIs for 20+ stakeholders.
- Developed a churn prediction model that enhanced customer retention strategies.

Key Projects and Achievements:

1. **AWS Infrastructure and Kubernetes Management**

- Infrastructure Design: Architected AWS environments using Terraform modules to provision VPCs, subnets, and security groups. Migrated data storage to S3, reducing costs by 20%.
- Kubernetes Deployment: Set up and managed EKS clusters with YAML manifests for application deployment, optimizing resource allocation. Developed and modified Helm charts based on environment-specific requirements for application deployment.
- Networking & Security: Configured Ingress controllers, Load Balancers, and private hosted zones in Route 53 for secure microservice communication.
- Observability: Implemented Prometheus, Grafana, and the EFK stack for monitoring and log analysis, automating Elasticsearch snapshot management.

2. **CI/CD Pipeline Automation**

- Designed and maintained CI/CD pipelines integrating AWS CodePipeline, CodeBuild, and Github Actions, reducing deployment time by 30%.
- Enabled progressive delivery and rollback mechanisms using ArgoCD to enhance release stability and minimize deployment risks.

3. **Cost Optimization and Automation**

- Automated alert systems and incident response processes, reducing response times by 45%.
- Developed custom scripts for automated backups and log analysis, improving system reliability and reducing manual effort.

4. **Application Modernization and Migration**

- Migrated on-premises workloads to AWS, modernizing legacy applications for improved scalability.
- Optimized application deployments on Kubernetes, streamlining processes with manifest-based deployments.

Additional Contributions
- Developed a cost-effective ETL process for data ingestion, improving internal data accessibility and reducing data processing time by 30%.
- Automated alert systems for faster incident response, cutting response times by 45% and enhancing system reliability.

EDUCATION & OTHER

Poornima College of Engineering (B.Tech. - Computer Science) *Feb 2020*
Certifications:
- **AWS Certified Solutions Architect – Associate**
- **AWS Certified Cloud Practitioner**
- **(In Progress) Terraform Associate | Certified Kubernetes Administrator (CKA)**

Additional Information
- **GitHub & Portfolio**: Gaurav-Kaushal
- **Availability**: Immediate Joiner
- **Location**: Open to Remote Opportunities