SUMIT TIWARI

DevOps Engineer

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PROFILE

DevOps Engineer with experience in cloud migration, infrastructure automation, and containerization using Docker and Kubernetes. Proficient in AWS services, MediaServices, and Infrastructure as Code (IaC) with Terraform. Led successful AWS migrations, standardised cloud infrastructure, and implemented robust monitoring solutions using ELK and Prometheus-Grafana. Skilled in maintaining high availability and optimising production environments. Passionate about mentoring teams and driving operational efficiency.

PROFESSIONAL EXPERIENCE

To The New Pvt Ltd \mathscr{D} DevOps Engineer

09/2021 – present | Dehradun/Noida, India

- Automated infrastructure provisioning, application deployments, monitoring, and scaling using tools like Terraform, Jenkins, Kubernetes, and Ansible to enhance efficiency and reduce manual effort.
- Implemented MediaServices for a Live and VOD workflows.
- Managed and maintained cloud infrastructure on AWS.
- Cost Optimization using graviton-based architecture.
- Migration of data from a single account to a control tower.
- Implemented and maintained containerized applications using Docker and Kubernetes
- Implemented continuous integration and delivery pipelines using Jenkins and Team City
- Configured and maintained monitoring and logging systems using ELK Stack, Prometheus, and Grafana
- Managed and maintained configuration management tools such as

 Analyle
- Participated in on-call rotations for production support and incident management
- Collaborated with cross-functional teams to identify and implement process improvements

∞ TECHNICAL PROFILE

- Proficient in Amazon Web Services (AWS)
- Experience with containerization using Docker and Kubernetes
- Familiarity with configuration management tools such as Ansible
- Knowledge of continuous integration and delivery (CI/CD) tools like Jenkins and Team City
- Experience with monitoring and logging tools such as ELK Stack, Prometheus, and Grafana
- Strong troubleshooting and problem-solving skills
- Cost Optimization techniques (Graviton-based architecture, Migration of resources based on capacity, etc.)

CERTIFICATES

Certified Kubernetes Administrator (CKA) $\mathscr D$

Linux Foundation - Education

S CONTRIBUTIONS

- Organized a BootCamp for AWS Media Services where we gave sessions to learn about the overview, working, and usage of the MediaServices. Also, we have done practical sessions for all the services with good overall feedback.
- Organized a Knowledge sharing session on Route53

 Resolver
- Organized a BootCamp for the new joiners where we gave sessions to learn about the Cloud fundamentals, AWS Cloud overview, and DevOps tools and technology.

■ PUBLICATIONS

Maximizing Video Monetization: A Guide to Personalized Ad Delivery Using AWS SSAI $\mathscr O$ To The New Pvt Ltd.

2024

Velero || EKS Migration Tool $\mathscr D$ To The New Blogs

2023

EDUCATION

Bachelor of Technology || Computer Science & Engineering Swami Rama Himalayan University $\mathscr D$

2017 – 2021 | Dehradun, India

SKILLS

Cloud — AWS - (MediaLive, MediaPackege, MediaConvert, MediaTailor, EC2, VPC, S3, EKS, ECS, ECR, Elasticache, Route53, Cloudfront, WAF, Lambda, ACM, CloudWatch, etc), Container Orchestration — K8S, ECS, Contanerization tools — Docker, CICD — Jenkins, Monitoring — Grafana, Prometheus, and Exporters, Logging — Elasticsearch, Kibana, and Fluentbit/Filebeat, IAAC — Terraform, Cloudformation, Scripting — Python, Bash, Artifact Repository — JFrog, Web Servers — Nginx, Version Control — Git, APM tools — New-Relic, AppDynamics, Datadog, Collaboration Tools — Jira | Confluence | Slack, Microservices Architecture — Service Mesh (e.g., Istio) | API Gateway (e.g., AWS API Gateway) | Kong, Database Management — MongoDB | Elasticsearch | MySQL | PostgreSQL, OS — Linux/Unix, MacOS, Windows, Coding — Python, Basic Java and JS