Anurag Gupta
DevOps Engineer

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DevOps Engineer with 1.5+ years of experience in designing, implementing, and optimizing robust cloud infrastructure and automation solutions at BigBasket. With a strong background in AWS, Kubernetes, Jenkins, Terraform, and programming, I have a proven track record of enhancing system efficiency, reliability and maintainability. I'm passionate about all things cloud infrastructure and automation. Critical thinking DevOps Engineer with extensive understanding of high availability architecture and concepts.

SKILLS

IAC	Terraform
Orchestration	Kubernetes
Cloud	AWS
OS	Linux, Unix
Observability	EFK, Grafana, Prometheus
Tools & Framework	Jenkins, Docker, Linux, Git, RESTful API
Scripting	Python,Groovy,Bash
Database	MySQL
Soft skill	Problem Solving, Ownership, Adaptability, Critical Thinking

TECHNICAL EXPERIENCE

BigBasket July 2023 - Present
DevOps Enigneer I *Bengaluru, India*

- Automated numerous manual tasks, resulting in increased operational efficiency and reduced error rates.
- Actively participated in on-call rotation, ensuring system availability and rapid resolution of production incidents.
- Contributed to setup of EKS cluster using Terraform, including spotinst-managed node groups, RBAC for microservices, and deployment of various devops-managed kubernetes services. Integrated the Terraform code with a centralized MySQL database for RBAC management.
- Implemented KEDA to enable event-driven autoscaling for Kubernetes workloads, including deploying KEDA CloudWatch triggers for essential production services.
- Contributed to the plan and execution of migrating 100+ microservices from EKS (v1.24) to EKS (v1.30) with zero downtime.
- Developed a CLI tool for self-service access management by integrating APIs from multiple tools and designing a robust workflow. The solution included database integration for record management, notifications via Jira, Slack, and email, significantly reducing access management time and effort by 90%.
- Integrated LLM-powered troubleshooting tools like HolmesGPT in production Kubernetes cluster
- Automated EKS AMIs creation with CIS Benchmark patches using EC2 Image Builder and CloudFormation, ensuring secure, scalable infrastructure compliant with security best practices and optimized for cost efficiency
- Automated the creation of AWS resources (S3, ECR, Secrets Manager, SQS) using Python scripting, implementing AWS best practices to ensure secure, compliance, efficient, and scalable infrastructure management.
- Hands-on experience in setting up secure Virtual Private Cloud environment including VPC, IAM, EC2, Security Groups, Network ACLs, Elastic IPs, Public and Private Subnets, NAT Gateways.
- Version management and source code management with Git and Git cloud repositories.
- Coordinated with Software Development teams and QA teams.
- Implemented team-based cost tracking for Kubernetes and AWS resources, improving cost transparency and efficiency
- Automated deployments via IAC Jenkins jobs, reducing time by 50% and increasing 75% of deployment frequency.
- Performing Real time monitoring, analysis, diagnostics, initial troubleshooting and reporting.

BigBasket Jan 2023 - Jun 2023
DevOps Intern *Bengaluru, India*

- I automated diverse processes using Jenkins, AWS, RESTful API, MySQL, Python, Groovy, and shell script.
- Created an AWS S3 file editor on the Jenkins UI, which resulted in an 80% decrease in human effort and minimized errors.
- Built a Slackbot to streamline the approval process using AWS Lambda, reducing manual efforts and boosting efficiency by 60%.
- Developed an automated report generation framework, access control and user management for multiple tools.
- Updated outdated automation processes, taking ownership of logic building and implementation, optimizing operations

EDUCATION

International Institute of Information Technology, Naya Raipur Aug 2019 - Jun 2023
Bachelor of Technology, Computer Science CGPA - 7.7