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# Anurag Gupta

## DevOps Engineer

Portfolio: [anurag-cv.com](https://anurag-cv.com)  
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DevOps Engineer with 2+ 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

### TECHNICAL EXPERIENCE

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

- **DevOps Self-Service Portal:** Designed and implemented a self-service tool for access management, report creation, and creation of AWS and Kubernetes resources. Automated approval processes using Slackbot; integrated with Slack, Jira, and Mail for notifications and tracking. Reduced operation time and manual DevOps efforts by 90%, full traceability via MySQL.
- **EKS Upgrade & Migration:** Refactored EKS Terraform code and led blue-green migration of 100+ microservices from EKS v1.24 to v1.30 with zero downtime.
- **Event-Driven Autoscaling Using KEDA:** Designed and implemented event-driven autoscaling for Kubernetes workloads using CloudWatch metrics and KEDA.
- **Jenkins Upgrade and containerization:** Upgraded and containerized 5+ Jenkins v2.26x instances to LTS; resolved 20+ plugin, dependency issues, migrated persistent data on EBS-based PVCs—enhancing stability and observability
- **LLM-Based Troubleshooting (HolmesGPT):** Implemented HolmesGPT, a production-grade LLM-powered troubleshooting solution in the Kubernetes cluster.
- **Cloud Cost Optimization:** Implemented cost-tracking mechanisms for AWS and Kubernetes, reducing monthly cloud expenditure by \$20,000.
- **Observability & Incident Management :** Implemented Prometheus-Grafana stack, Fluent Bit+Athena logs and FIM Auditbeat built 10+ dashboards; resolved 30+ incidents via on-call, enabling 99.9% uptime.
- **Cluster Autoscaler Migration:** Led migration of Kubernetes autoscaler from Spotinst to CastAI, utilized Kyverno policies to automate workload scheduling onto CAST AI-managed nodes in production.
- **CI/CD Optimization and Integrations:** Evaluate ArgoCD & Flux as a potential CI/CD solution. Streamlined Jenkins-based deployment tracking, enhanced test automation in Kubernetes.
- **Legacy monolith Upgrade:** Migrated Ubuntu 14 to 24, rebuilt servers with NGINX and Docker, optimized performance, ensured audit compliance, and reduced costs by 30%, enhancing system efficiency and reliability across infrastructure.

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

- Automated diverse processes using Jenkins, AWS, and Python, reducing manual intervention across 10 key workflows
- Built an AWS S3 file editor on Jenkins UI, decreasing operational errors and manual effort by 80%.
- Built a Slackbot to streamline the approval process using AWS Lambda, reducing manual efforts and boosting efficiency by 60%.
- Automated diverse processes using Jenkins, AWS, and Python, reducing manual intervention by 80%.
- 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*