

Parag Gupta


DevOps Leader | Cloud Architect | AI-Driven SRE Specialist


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 Noida(U.P), India

SUMMARY

DevOps & Cloud Engineering Leader with 9+ years of experience designing scalable, secure, and cost-efficient infrastructure for global teams. Spearheaded GenAI-powered automation—including Ansible playbook generation and Cortex-based RCA—cutting MTTR by 40% and saving over \$500K in cloud spend. Proven expertise in Kubernetes, Terraform, GCP, and AWS to accelerate developer velocity and ensure platform resilience.

EXPERIENCE

Computer Scientist II / I

Adobe
12/2021 - Present
Noida, India

- Reduced **MTTR by 40%** by engineering an **AI-powered Cortex metrics analyzer** for anomaly detection and automated root cause analysis.
- Built an **NLP-driven platform** that converts natural language commands into executable **Ansible playbooks**, featuring auto-validation and secure deployments.
- Led tech stack consolidation across environments, achieving **\$376K in annual cloud savings**.
- Developed **modular Terraform components** that automated multi-environment provisioning, cutting setup time from days to hours.

Site Reliability Engineer

Media.net
02/2021 - 12/2021
Bangalore, India

- Designed and deployed an on-premises **Kubernetes cluster** as a secure, multi-tenant **CaaS platform**, enabling teams to onboard quickly.
- Modernized infrastructure monitoring and implemented **Service Mesh** to enable secure service discovery, and simplify application deployment workflows.

Senior Engineer DataOps

Tokopedia
10/2019 - 02/2021
Noida, India

- Designed a secure hybrid cloud network (GCP + Alibaba)** with Vault-based secrets management, granular access controls, and full-stack logging.
- Reduced GCP expenses by 30-40%** through workload rightsizing, storage optimization, and VM lifecycle automation.

Engineer DevOps

Paytm
12/2017 - 10/2019
Noida, India

- Built and operated a 4,000-core OpenStack cluster** for the payments QA environment, and deployed a **50TB Elasticsearch cluster** to manage high-throughput user data.
- Automated infrastructure provisioning and config management** using Salt and Ansible, reducing deployment errors by 85%.

Engineer DevOps

TO THE NEW
06/2016 - 12/2017
Noida, India

- Designed and containerized application architecture** for GRAILS and Angular apps, implementing CI/CD pipelines with Jenkins and orchestrating deployments using Kubernetes.
- Built HA clusters with automated backups and DR pipelines**, and centralized logging with the EFK stack.

SKILLS

Cloud Platforms & AI Tooling
AWS, GCP, Azure, Azure OpenAI, Streamlit, pandas, MCP

Scripting & Configuration Management
Python, Shell Scripting, Ansible, Puppet, SaltStack

DevOps & Platform Tools
Docker, Kubernetes, OpenStack, Terraform, Jenkins, ArgoCD, Airflow, Kafka, Redis, ELK Stack, Vault, Istio, API Gateway, OpenVPN

Monitoring, Observability & Databases
Grafana, Prometheus, Jaeger, OpenTelemetry, New Relic, Splunk, Elasticsearch, MySQL, PostgreSQL, MongoDB, Aerospike

Unix/Linux Administration
Linux (Ubuntu, CentOS), KVM, QEMU, Libvirt, iptables, Network Routing, VPNs, DNS, SSH, System Hardening, Security Policies

KEY ACHIEVEMENTS

- \$500K+ Cloud Savings** – Delivered cumulative cost optimizations across Adobe, Tokopedia, and Paytm through automation, rightsizing, and infra audits.
- Award-Winning Innovation** – Received Rising Star Award for building Netbox, a custom IP/resource tracking tool that improved data center manageability.
- Thought Leadership** – Published blogs on Kubernetes, Django, and AWS CodeDeploy focused on high availability and platform automation.

STRENGTHS

- Patent Under Review** – Proposed a patent (under internal review at Adobe) for an AI-based system that analyzes observability data to automatically detect root causes and improve over time using SRE feedback.
- Cross-Functional Leadership** – Led infra modernization across distributed teams in APAC and US; partnered with product, platform, and security groups.
- Mentorship & Enablement** – Mentored junior engineers and SREs on DevOps best practices, Terraform/IaC hygiene, and platform tooling adoption.

EDUCATION

B.Tech in Information Technology
UPTU | 08/2012 - 06/2016