

Parag Gupta

Senior DevOps Engineer

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Noida(U.P), India

SUMMARY

DevOps Engineer with 8+ years of experience in Cloud Computing, Networking and Infrastructure Management. I thrive on innovation and mastering complex technologies, bringing expertise in Unix administration, container management, security, and cloud platforms. Passionate about solving complex challenges and delivering scalable, high-impact solutions.

EXPERIENCE

Computer Scientist

Adobe

12/2021 - Present Noida, India

- Built a Python-based Streamlit dashboard to audit configuration files for Adobe Journey Optimizer, improving operational oversight.
- Developed Terraform modules to automate infrastructure provisioning.
- Streamlined the tech stack, delivering cost optimizations that resulted in annual savings of \$376,000.
- Implemented a custom solution to automatically redact PII data from application logs, enhancing security and compliance

Site Reliability Engineer

Media.net

02/2021 - 12/2021 Bangalore, India

- Designed and deployed a scalable Kubernetes Cluster (v1.22) in a Data Centre, adhering to industry best practices and security protocols.
- Optimized in-house Java applications with benchmarking and instrumentation monitoring for enhanced performance analysis.
- Revamped infrastructure monitoring and introduced Service Mesh, supporting cloud migration and streamlining application deployment.

Senior Engineer DataOps

Tokopedia

10/2019 - 02/2021 Noida, India

- Designed a hybrid GCP + Alibaba network architecture, securing the environment with access management and logging systems.
- Reduced GCP costs by 30-40% through optimization strategies and set up highly available Airflow clusters for efficient data insights.
- Enhanced deployment processes with Jenkins pipelines, automated testing, and real-time monitoring using Grafana and Prometheus.

Engineer DevOps

Paytm

12/2017 - 10/2019 Noida, India

- Built and managed an OpenStack cluster with over 4,000 cores for the payments team's QA environment, alongside a 50TB Elasticsearch cluster for managing large-scale user data, ensuring high availability and performance.
- Automated infrastructure provisioning and workloads using Salt and Ansible, significantly improving operational efficiency.

Engineer DevOps

TO THE NEW

06/2016 - 12/2017 Noida, India

- Designed application architecture and set up a Dockerized environment for GRAILS and Angular apps with CI/CD pipelines via Jenkins and Kubernetes orchestration.
- Implemented high availability clusters, automated backups, and disaster recovery, while centralizing logging with Elasticsearch, Fluentd, and Kibana (EFK), and monitoring via NewRelic, Pingdom, and PagerDuty.

SKILLS

Cloud Platform

AWS, Azure, GCP

Programming Skills & Configuration Management Tools:

Shell Scripting, Python, Salt, Puppet, Ansible

DevOps Tools

Docker, Kubernetes, Openstack, Terraform, OpenVPN, ELK, Redis, Jenkins, Airflow, Kafka, Vault, Web Server, CDN, CI/CD, ArgoCD, Istio, API Gateway

Monitoring Tools & Databases

APM, Jaeger, Grafana, Prometheus, MySQL, PostgreSQL, MongoDB, Aerospike, Elasticsearch

Unix Administration

Linux, Security, Networking, Virtualization, KVM, Libvirt, QEMU, IP tables, Network Protocols

KEY ACHIEVEMENTS



Cost Optimization Impact

Saved approximately \$500K through cloud cost optimizations, infrastructure improvements, and operational efficiencies across various roles.



Innovative Solutions

Received the "Rising Star Award" for developing Netbox, a custom tool to track resources and IP allocations in data centers, enhancing infrastructure management



Publications

Authored technical blogs on Kubernetes, Django, and AWS CodeDeploy, providing insights on infrastructure automation and high availability setups.

EDUCATION

B.Tech in Information Technology

UPTU

08/2012 - 06/2016