Aditya Gupta

+91 9315218933 adityagupta2620000@gmail.com aditya-gupta-26200 adityagupta26

Work Experience

Snabbit **April 2026 - Present**
Platform Engineer *Bengaluru*

- Co-own a **$730K/yr** AWS estate spanning **25+ production services** and **28 repositories** for an at-home services platform scaling toward **10K TPS**.
- Led org-wide observability migration to **OpenTelemetry (base14 Scout)**, instrumenting **12+ services** (Python, Go, Kotlin/Java) and consolidating Coralogix, ELK APM, and OpenSearch into one platform — **20 services traced**, **∼50 services logged**, **126 alert rules** unified, **$16.5K/yr** in tooling eliminated.
- Cut distributed-trace volume **83% (905M → 150M spans/day)** via fleet-wide tail sampling on a GitOps collector pipeline (staging→prod approval gates, OIDC-assumed IAM); drove a **21% p99 latency reduction (−303ms)** on the core API through instrumentation fixes.
- Shipped a governed production DB-access platform (**Kviklet on EKS**) across **10 production databases** — **100% passwordless** via 15-min IAM tokens (IRSA), four-eyes approvals, full session audit; hardened the fork (author-only execution) and cut CI build time **60min → 12min**.
- Audited the full AWS estate and identified **$9–12K/mo (15–20%)** in savings; executed the first **∼$2.5K/mo** with zero downtime (DocumentDB **−66%**, ElastiCache **−50%**, ECS re-shape **−25%**) plus a **$3.5K** AWS support-fee recovery.
- Eliminated hardcoded DB credentials from **8 Lambda functions** (via CloudTrail forensics across **102**), rotated all production app users, and removed public RDS endpoints after an evidence-based audit of **29h of Postgres logs** and **111 Lambdas** — zero impact.
- Stood up production **EKS** via Terraform (private endpoint, KMS, IRSA, 3-AZ) with HA ZooKeeper and External Secrets Operator; built zero-downtime blue/green↔rolling deployment switching and a tested **<5-min hotfix path** into the internal GitHub Actions deploy platform.
- Drove reliability & incident response: resolved a P0 credential outage with an RCA published in **<24h** and **9/9 systemic actions** closed in 2 weeks; redesigned Kafka/MSK alerting (**63 new alarms**, **22 false alarms/week** eliminated); instituted org's CMR process; mentored 1 intern.

Skit.ai **June 2025 – March 2026**
Senior DevOps Engineer *Bengaluru*

- Led technical infrastructure hardening for HITECH Certification and maintained the **Evidence Matrix for ISMS/ITSM compliance** audits.
- Spearheaded end-to-end setup of a production Kubernetes cluster in Canada and defined the **Global EKS Rollout Strategy** to ensure **standardized deployment patterns** across international zones.
- Engineered **high-availability** OpenSIPS HA setups and automated SIP stack deployments while **configuring** AWS Direct Connect with TataTel for dedicated **low-latency network circuits**.
- Enhanced **production visibility for Tier-1 banking services** by architecting CoreDNS and Deepgram monitoring dashboards and fixing OpenTelemetry (Otel)/Tempo distributed tracing injectors.
- Orchestrated the strategic migration and upgrade of PostgreSQL clusters from version 12 to 16; managed critical reliability tasks including Jaipur **replica recovery** and **automated WAL file lifecycle management**.
- Managed specialized workloads by deploying GPU-accelerated instances in Oregon and **optimized cloud spend** by **migrating non-critical services** to AWS Spot Instances.
- **Resolved complex Amazon Redshift connection timeouts** during high-volume data loads and enabled CI/CD for analytics/ETL repositories.

Jio **June 2023 – May 2025**
DevOps Engineer *Navi Mumbai*

- **Implemented and maintained Elasticsearch database** with Kibana and Logstash in the production environment, **improving log monitoring** and analytics capabilities.
- **Automated deployment workflows** using Ansible, **reducing setup time** for manual processes by **75%**.
- **Managed MongoDB and PostgreSQL** databases in production and development environments for projects like Jio Games and Jio Locate.
- Collaborated with the data analytics team to implement tools like **Kafka, Apache Spark, Hive, and basic ETL pipelines**, streamlining data processing and analytics.
- Led the **migration of production servers** for Jio Locate, **coordinating with the network team** to set up LBVIP (Load Balancer Virtual IP) for **high availability**.
- Optimized Linux-based systems and automated Elasticsearch services, achieving an average **downtime reduction to 0.001%**.
- **Deployed Nmap** for **proactive port-level monitoring** and implemented Prometheus and Grafana for real-time system monitoring and alerting.
- **Streamlined containerized deployments** using Docker and Kubernetes across Azure and Google Cloud Platform.
- **Designed and built CI/CD pipelines**, ensuring **faster, reliable, and automated deployment** processes.
- Awarded the **Best Debutant Award** for successfully deploying the ELK Stack for Jio Locate project.

Technical Skills

Languages: Python, Bash (Shell Scripting), SQL
AWS: EC2/ASG, ECS, EKS, RDS (PostgreSQL, Aurora), ElastiCache, MSK (Kafka), Lambda, S3, VPC (peering, endpoints), IAM & IRSA, CloudWatch, Secrets Manager, IAM Identity Center, Direct Connect, Redshift; working knowledge of Azure & GCP
IaC & CI/CD: Terraform, GitHub Actions, Helm, ArgoCD, Ansible, Docker, Kubernetes, Jenkins, Git
Monitoring & Observability: OpenTelemetry (collectors, tail sampling, multi-language SDKs), Grafana, Prometheus, CloudWatch, ELK Stack (Elasticsearch, Logstash, Kibana), Tempo, Nmap, Dynatrace, New Relic, CoreDNS Monitoring
Database Administration: PostgreSQL (v12-16 migration, replication, WAL tuning, PgBouncer, IAM auth), MySQL, MongoDB, Redis, Elasticsearch, Replica Recovery
Telephony & Networking: OpenSIPS HA, SIP Enablement, gRPC Load Balancing, TCP/IP Security
Data Engineering & Compliance: Apache Spark, Hive, PGP Encryption, HITECH Compliance, ISMS Compliance
Practices: FinOps & Cloud Cost Optimization, Incident Response & RCA, Change Management, Zero-Downtime Migrations
Operating Systems: Linux, Windows

Education

Jaypee Institute of Information Technology Noida
Bachelor of Technology in Electronics and Communication Engineering (CGPA : **7.5/10**) **2019 - 2023**

Vivekanand School Delhi
Class XII (Percentage : **91.6%**) **2019**
Class X (CGPA : **8.4/10**) **2017**