Sahil Bansal

Software Engineer — DevOps Cloud Infrastructure

Focused on infrastructure automation, reliability, and cost-efficient cloud systems

+91 8949823046 | sahilbansal.sb24@gmail.com | linkedin.com/in/sahilbansal24

SUMMARY

DevOps Engineer with hands-on experience designing and operating production-grade AWS infrastructure. Proven track record in infrastructure automation, CI/CD reliability, observability, and cost optimization. Trusted to own systems end-to-end and improve engineering velocity without compromising reliability.

SKILLS

Cloud & Platform Engineering: AWS (ECS, Lambda, RDS, S3, IAM, VPC, CloudFront, Route 53), Kubernetes, Docker

Infrastructure as Code: Terraform (Modules, State Management), AWS CloudFormation

CI/CD & Developer Experience: GitHub Actions, Jenkins, AWS CodeBuild, PR-based workflows

Observability & Reliability: Prometheus, Grafana, AWS CloudWatch, alerting and SLO monitoring

Security & Identity: IAM Identity Center (SSO), IAM hardening, DevSecOps pipelines

Data Platforms: Dagster, DLT, DBT, ClickHouse, Metabase, PostgreSQL, MySQL, MongoDB

Languages & Automation: Python (Infrastructure & Automation), Bash, HCL, YAML

WORK EXPERIENCE

Software Engineer — DevOps & Cloud Infrastructure   Jun 2024 – Present
Buyogo AG   *Zurich, CH (Remote)*

– Architected a secure, multi-tenant FTP ingress platform serving **100+ global suppliers**, achieving **99.99% availability** through per-tenant isolation, per-user credentials, and audited API access.
– Led a full **ClickOps to Terraform** transformation by codifying **100%** of ECS, RDS, SQS, IAM, and networking resources into reusable modules, reducing infrastructure drift and cutting environment provisioning time by **70%**.
– Accelerated engineering velocity by **30%** by redesigning GitHub Actions pipelines with semantic versioning, parallelized testing, PR-based validations, and automated smoke tests across 7 repositories
– Drove cloud cost optimization initiatives by introducing **Fargate Spot, Savings Plans, and right-sizing**, reducing AWS spend by **40% ($40k annually)** without reliability regression.
– Implemented service-level observability using Prometheus, Grafana, and CloudWatch, enabling service-aware alerts and ECS deployment notifications that improved incident detection and triage for engineering teams.
– Improved runtime efficiency of serverless and stateful workloads by tuning Lambda resource allocation and migrating Redis to a managed serverless architecture.
– Designed and operated a real-time **data lakehouse (ELT)** ingesting MySQL and MongoDB into ClickHouse via Dagster and DLT, reducing analytics query latency from minutes to milliseconds for executive dashboards.
– Executed a zero-downtime **Auth0 tenant migration**, securely migrating **1,000+ user accounts** without password resets during a corporate rebrand.
– Strengthened security posture by enforcing AWS IAM Identity Center (SSO) and least-privilege IAM policies, eliminating long-lived credentials and tightening access to production systems.

Analyst Trainee — Cloud & DevOps   Jan 2024 – Jun 2024
Capgemini   *Pune, IND*

– Refactored monolithic CI/CD pipelines into modular stages, improving fault isolation and increasing deployment success rates by **15%**.
– Reduced incident response time by **20%** by integrating Prometheus alerting with Slack-based on-call workflows.

Software Engineer — DevSecOps   Jun 2023 – Nov 2023
Qapita Fintech   *Hyderabad, IND*

– Embedded container security gates into AWS CodeBuild pipelines, preventing **95% of critical CVEs** from reaching production environments.
– Optimized centralized logging infrastructure by migrating from EBS-backed storage to AWS EFS, improving log query performance by **30%** while lowering storage overhead.

Software Engineer Intern   Jun 2022 – Jul 2022
Xebia   *Gurugram, IND*

– Automated CI/CD workflows in Azure DevOps and contributed to front-end performance improvements using ReactJS.

EDUCATION

University of Petroleum and Energy Studies   2019 – 2023
B.Tech in Computer Science and Engineering (DevOps & Cloud Specialization)   *CGPA: 7.86/10*