Sahil Bansal

Software Engineer – DevOps & Cloud Infrastructure

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

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SUMMARY

Software Engineer with ∼3 years of global remote experience. Specialized in AWS cost optimization (FinOps), delivering $40K/year in savings. Experienced in architecting data lakehouses using ClickHouse and Dagster, and migrating legacy infrastructure to 100% Terraform (Infrastructure as Code). Proven track record of improving engineering velocity by 30%.

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

EXPERIENCE

DevOps Engineer
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.
– Enhanced platform reliability and security by implementing service-level observability **(Prometheus, Grafana, CloudWatch)** with service-aware alerts and ECS deployment notifications, while enforcing **AWS IAM Identity Center (SSO)** and least-privilege access controls to eliminate long-lived credentials and secure production environments.
– 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.

Analyst
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
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.

CERTIFICATIONS

DevOps on AWS Specialization – Amazon Web Services (Coursera)
Agile with Atlassian Jira – Atlassian
Postman API Fundamentals – Postman

EDUCATION

University of Petroleum and Energy Studies
2019 – 2023

B.Tech in Computer Science and Engineering (DevOps & Cloud Specialization)
CGPA: 7.86/10