

Atul Soam

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Summary

Platform & DevOps Engineer specializing in scalable cloud infrastructure, CI/CD pipeline orchestration, and observability systems across AWS and GCP. Proven record of improving deployment reliability (99% success rate), optimizing infrastructure costs, and building impactful backend systems in C and Kubernetes-based microservices.

Education

Indian Institute of Information Technology Guwahati (IIITG)
B.Tech in Computer Science Engineering

Professional Experience

Platform Engineer at Connection Loops

Aug 2025 – Present

- Engineered and maintained a microservice-based job processing system (**CLJPS**) using a **custom-built C# SDK over NATS.io** deployed on our **cloud-native Kubernetes cluster**, ensuring low-latency communication and robust scaling.
- Built and integrated **Grafana + VictoriaMetrics** dashboards for **monitoring and alerting**, enhancing observability and reducing incident response time by **35%**.
- Implemented automated **CI/CD pipelines** with ArgoCD and Kubernetes scaling, achieving a **99% deployment success rate** and improved infrastructure reliability.
- Launched and **owned the end-to-end development** of a **Daily Subscription feature** driving direct business impact — **5 client labs billed \$3,600+ annually**, with backend billing logic built in **C# services**.
- Enhanced overall platform stability through improved **system design, observability, and Infrastructure as Code (IaC)**, while maintaining **cloud-native architecture** standards across production clusters.

DevOps Engineer at Alteryx Inc.

Jan 2025 – Jun 2025

- Architected cost-optimization workflows embedding **Terraform-based Infrastructure as Code (IaC)** logic into **CI/CD pipelines** across **AWS and GCP**, achieving automated **infrastructure automation** for scaling environments.
- Automated scaling across **10+ database instances and Kubernetes clusters** using Lambda, EventBridge, and GitLab CI, saving approx. **\$7,000/month**.
- Resolved ArgoCD sync and rollout issues, reducing deployment failures by **10%** and improving release speed by **5 minutes per build**.
- Integrated **Datadog and Slack-based monitoring and alerting**, increasing deployment failure detection coverage by **40%**.
- Collaborated on **microservices architecture** and observability best practices to improve scalability and fault isolation across performance and production clusters.

Cloud & Backend Engineer at IIT Bhilai

Jun 2024 – Aug 2024

- Developed and deployed a **cloud-hosted MERN application** for smart parking with **RESTful APIs**, authentication, and real-time slot booking.
- Implemented multi-user access control and deployed on **AWS EC2 + S3**, supporting **100+ concurrent users**.
- Optimized parking utilization and analytics, contributing to a projected **10% congestion reduction**.

Technical Skills

Languages: C++, C#, React, JavaScript, Python, Java, C, Shell Scripting

DevOps & Cloud Tools: Terraform (Infrastructure as Code), Kubernetes, ArgoCD, Helm, CI/CD pipelines, Docker, Linux, Git, AWS, GCP

Monitoring & Observability: Grafana, VictoriaMetrics, Datadog, Slack API, Monitoring and Logging Stack

Backend & APIs: RESTful APIs, Microservices, System Design, NATS.io, GrowthBook, MySQL

Keywords: Infrastructure Automation, Cloud-Native Architecture, Monitoring and Alerting, SRE, Observability

Achievements

- ACM ICPC 2024 Regionalist** (Team: Algo Primes).
- Google Kickstart International Rank: **1422nd**.
- LeetCode Top **2%** (1000+ problems solved, Max Rating: **2059**).
- Completed **Hacktoberfest** with multiple open-source contributions.