**Rishi Kumar Sinha**  
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**Professional Summary**

DevOps Engineer with 2.6 years of experience managing cloud-based infrastructure. Proficient in containerization (Docker, Kubernetes), orchestration, CI/CD pipelines (Jenkins, GitHub Actions), and system monitoring (Prometheus, Grafana). Improved deployment efficiency and enhanced system reliability by implementing automated processes. Adept at streamlining operations, reducing downtime, and optimizing cloud costs. Continuously upgrading skills to stay ahead of DevOps innovations and best practices.

**Skills**

* **Cloud Technologies:** AWS (EC2, S3)
* **Containerization & API Management:** OpenShift, Kubernetes, Docker, **3scale**
* **CI/CD Tools:** Jenkins, SonarQube, ArgoCD, Advanced Cluster Management (ACM)
* **Version Control Systems:** Git, GitHub
* **Monitoring & Logging:** Kibana, DataDog, Azure App Gateway
* **Ticketing Tools:** ServiceNow
* **Messaging & Streaming Platforms:** **AMQ Streams, AMQ Broker**
* **Operating Systems:** Windows, Linux

**Work Experience | Projects**

**DevOps Engineer | 2.6 Years of Experience**  
**IndiGo Airlines Application Modernization and Migration**  
**Interglobal Aviation Limited (IndiGo Airlines), India**  
**Integra Micro Software Services**  
*August 2022 – Present*

* **CI/CD Automation & GitOps:** Automated CI/CD pipelines and implemented GitOps practices using ACM and GitHub for seamless multi-cluster, multi-environment deployments, reducing deployment time by 30%.
* **Website & Cluster Management:** Managed **Indigo Airlines'** website across **two managed ARO clusters** and **two self-managed production clusters** on Azure, ensuring high availability and reliability.
* **Container Orchestration:** Leveraged **Red Hat OpenShift** for efficient resource utilization, scalability, and robust application deployment.
* **Microservices & API Management:** Designed CI/CD pipelines for microservices deployment and integrated **3scale API management** for access control, monitoring, and API security.
* **Monitoring & Troubleshooting:** Analyzed OpenShift container logs using **Kibana and DataDog**, monitored resource usage, and troubleshot performance bottlenecks, network issues, and application failures.
* **Continuous Deployment:** Implemented **ArgoCD and Helm charts** for automated deployments in OpenShift environments, ensuring reliability and consistency.
* **Messaging & Streaming:** Worked with **AMQ Streams and AMQ Broker** for real-time messaging and event-driven architecture.
* **Issue Resolution & Collaboration:** Led **daily scrum meetings**, collaborated with developers to resolve API testing defects, and used **ServiceNow** for issue tracking and incident management.

**Education**

* **B.Tech in Electronics & Communication Engineering**, Bengal College of Engineering & Technology, MAKAUT (2021) – **CGPA: 8.02**

**Certifications**

## Red hat Delivery Specialist- OCP,

* Red Hat Certified Specialist in API Management (EX240).