Rajat **Tamoli**

📞 8696958071

✉ rajatyaduvanshi99@gmail.com

📍 Jaipur, Rajasthan, INDIA

🌐 rajatops.site

About

- Experienced DevOps Observability Engineer with 4.5+ years of expertise in cloud technologies, software, and observability tools.
- Currently, I am working in 8x8 and pursuing an Executive Post Graduate Certification in Cloud Computing from IIT Roorkee.
- Further enhancing my skills and knowledge in cloud technologies. I am eager to leverage my expertise in AWS, Docker, Kubernetes, CI/CD pipelines, Terraform, Ansible, and Observability tools with Python-java and microservices to contribute to impactful projects in DevOps space.

Education

Executive Post Graduate Certification in Cloud Computing

IIT Roorkee - Intellipaat — 2023 - Present

B.TECH Computer Science Enginnering

Global Institute Of Technology - Jaipur, RJ — 2015 - 2019

Intermediate/+2 (RBSE)

Pratap Adarsh S.S.School - Jaipur, RJ — 2013 - 2015

Matriculation (RBSE)

Adarsh Vidhya Mandir secondary school - Jaipur,RJ — 2012 - 2013

Skills

- **Containerization & Orchestration**: Docker, Kubernetes, Helm
- **Cloud Platforms**: AWS
- **CI/CD & Version Control**: Jenkins, GitHub, GitHub Actions, Git workflow
- **Infrastructure as Code**: Terraform, Ansible, CloudFormation
- **Programming Languages**: Python, Java, Bash, Maven
- **Monitoring & Observability**: Prometheus, Grafana Cloud, CloudWatch, ELK Stack, Wavefront, Kafka, Fluentbit, Alertmanager
- **Security**: SonarQube, IAM, Load Balancers
- **Networking**: TCP/IP, DNS, Subnets, IP addressing, Nginx
- **Databases**: MySQL
- **Tools & Miscellaneous**: Jira, Argo CD, EC2, EKS, S3, Lambda, ALB, VPC

Professional Experience

Devops Observability Engineer At 8x8
April 2023 — Present, Remote (Jaipur, India)

- **Monitor Architecture**: Implement and monitoring and logging tools such as Prometheus, Grafana Cloud with Mimir and Loki, Wavefront, OCI Logging, PagerDuty, and Fluentbit, Synthetic Monitoring with multiple Grafana Datasources
- **Team Leadership & Collaboration**: Effectively led cross-functional teams and managed projects independently, ensuring timely and successful outcomes for 8x8 application high availability.
- **CI/CD Pipeline Enhancement:** Streamlined CI/CD processes with Jenkins and Git workflow achieving reduction in deployment times.
- **Infrastructure as Code:** Pioneered the implementation of Terraform modules and Ansible for infrastructure.
- **Containerization & Orchestration**: Managed scalable, containerized applications using Docker, Kubernetes, and Helm, ensuring seamless service scalability.
- **Programming**: Using python and java to work on script and application code for monitoring application.

Senior Software Engineer At Rakuten Symphony
March 2020 - April 2023, On-Site (Indore, India)

- **5G Observability Framework:** Led the development of a cloud-native observability solution for Dish and Rakuten 5G networks using Prometheus, ELK Stack, and Kafka.
- **Cloud Infrastructure Automation:** Streamlined AWS deployments with Terraform, Jenkins, and GitHub, reducing manual effort by 50%.
- **Microservices Management**: Deployed Java-based microservices with Docker and Kubernetes, ensuring scalability and reliability.
- **Monitoring & Insights**: Implemented real-time monitoring using ELK, Prometheus, and Grafana, improving system performance and reliability.

Links

- **GITHUB** : https://github.com/rajaty
- **LINKEDIN PROFILE:** https://www.linkedin.com/in/rajat-tamoli-50599a2a3/
- **Personal Website**: rajatops.site

Internships, Courses and Certifications

- **Executive Post Graduate Certification in Cloud Computing and DevOps, From iHUB DivyaSampark, IIT Roorkee**
  December 2023 - Present August

- **AWS Solutions Architect Associate by Intellipaat**
  Show credential (https://lms.intellipaat.com/certificate-link/?Yz05MTExOCZ1PTI1MzAzMiZleHQ9MQ==)

- **DevOps Training by Intellipaat**
  Show credential (https://lms.intellipaat.com/certificate-link/?Yz01ODYzMCZ1PTI1MzAzMiZleHQ9MQ==)

- **Full Stack Developer Trainee - At JSpiders Training & Development Center - Internship (onsite - Hyderabad, India)**
  August 2019 — March 2020

- **CDAC- ATC Netcom - Internship (Jaipur, RJ, India)**
  MAY 2018 — JULY 2018

Projects

Personal Website

- Project Links: rajatops.site

High-Performance Observability Implementation with Grafana Cloud in 8x8

- **Deployment**: deployments monitoring tools like grafan-agent, push gateway etc using argocd and ci-cd with git workflow and automation of task with Terraform and Ansible. reducing deployment time by 30%.
- **Enhanced Security:** Integrated Vault and AWS secret manager, IAM Role for Enhanced Security.
- **Monitoring Implementation**: Deployed Mimir, Loki, grafana agents, dashboards, alerts and Synthetic that resulting in a 25% reduction in downtime incidents through improved system visibility and alerting.
- **Optimization**: Leveraged terragrunt with terraform modules and Argocd that improving deploying speed.

Cloud-Native Automating AWS Deployments with Kubernetes and CI/CD - IIT Roorkee

- **Scalable Pipeline Design**: Designed and implemented a CI/CD pipeline in Jenkins for a OBF application, doubling user capacity from 10,000 to 20,000.
- **High-Availability System:** Designed and deployed a robust system in AWS with Docker, Kubernetes, and Helm, achieving 99.9% uptime and reducing downtime by 60%.
- **Deployment Acceleration**: Accelerated deployment processes with Amazon EKS and Terraform, improving efficiency by 30% and cutting setup time by 80%.
- **VPC Security Architecture**: Engineered a secure AWS VPC, ensuring 100% internal isolation.

4G/5G Network - Monitoring by Observability Framework for Dish and Rakuten

- **OBF**: observability to collect telemetry data from all network functions for optimize the DISH and Rakuten 5G network with process it by spark job to kafka and monitoring tools with parsing the json in one ETSI format of json.
- **Automated Reporting:** Added alerts and multiple dashboard that easily monitor network functions by metric, logs, traces. That is process by OBF deployment on all network clusters by CI-CD and helm chart on Kubernetes.
- **Network Optimization:** Monitoring dashboard providing usages of cpu, memory to check the storage of each application and reducing cost with it by applications and cluster Also that increase Network availability.