YATIN GARG

DEVOPS AND CLOUD ENGINEER

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EDUCATION

B. Tech. – Computer Science and Engineering   **Aug '18 - May '22**

J.C. Bose University of Science and Technology, YMCA, Faridabad, HR

- Graduated with **8.299 CGPA**

KEY SKILLS

Cloud & DevOps Tools: AWS (EC2, S3, EKS, RDS, IAM, Lambda, VPC, CloudFormation) | Kubernetes | Linux | Docker | Terraform | Ansible | GitHub Actions | Jenkins | GitLab CI | Harness | Prometheus | Grafana | ELK Stack | ArgoCD | GCP (Google Cloud Platform) | Microsoft Azure Cloud.

AI Technologies: Gen AI (Generative AI) | Agentic AI.

Scripting & Automation: Bash | Shell Scripting | YAML | Groovy.

CI/CD & Infrastructure as Code (IaC): Automated Deployments | Infrastructure Automation | Configuration Management | Cloud Security.

Monitoring & Logging: Observability | Log Management | Incident Response | SRE Best Practices.

PROFESSIONAL EXPERIENCE

Systems Engineer (**AWS DevOps Engineer**) | *Tata Consultancy Services*   **Oct '22-Present**

Technologies*:* Docker, GIT, Kubernetes, Linux, AWS, **JIRA**, **Service Now**, **Confluence**, Harness.

- **Cloud Infrastructure & Automation:** Managed over **50+ cloud servers** across **5+ environments**, automating provisioning, scaling, and monitoring to optimize resource utilization and system reliability.

- **CI/CD & Deployment:** Built and optimized **end-to-end CI/CD pipelines** using Jenkins, **GitLab CI, and Harness**, reducing deployment time by **60%** and minimizing failures.

- **Containerization & Orchestration:** Deployed microservices architecture with **Kubernetes and Docker**, improving system scalability and high availability.

- **Infrastructure as Code (IaC):** Implemented **Terraform and Ansible** for cloud automation, reducing manual interventions **by 80%.**

- **Monitoring & Logging:** Integrated Prometheus and Grafana for system monitoring and incident response, improving **MTTR by 50%**.

PROJECT EXPERIENCE

Scalable 3-Tier Flask, Nginx, MySQL Deployment on Private Cloud　　　　**Sep '23 - Present**

- Designed and deployed a **high-availability, scalable 3-tier architecture** handling **10,000+ concurrent users** with **Nginx as a load balancer**.
- Achieved **60% downtime reduction** using **AWS EKS and Kubernetes** for better fault tolerance and orchestration.
- Ensured **50% improvement in system reliability** by transitioning to **AWS EKS and Docker-based deployments.**

Automated CI/CD Pipeline for Django Web App (AWS, Jenkins, Kubernetes)　　　**Mar '24 - Present**

- Developed a **real-time CI/CD pipeline** on AWS using **Jenkins, GitHub Actions, and GitLab CI**, reducing deployment errors by **40%**.
- Integrated **SonarQube and Trivy** for code quality and security scans, ensuring **compliance with OWASP security guidelines**.
- Optimized **infrastructure automation with Terraform and AWS services**, reducing manual configurations by **80%**.

AWS Multi-Environment Infrastructure Automation Using Terraform　　　**Jun '24 - Present**

- Automated the provisioning and management of **multi-environment (test, dev, prod) AWS infrastructure** using **Terraform**, creating **AWS EC2 instances, AWS S3 buckets, and AWS DynamoDB tables** for each environment.
- Configured different resource allocations for each environment (e.g., **3 EC2 instances for test, 2 for dev, and 1 for prod**) to optimize resource usage and **reduce costs**.
- Implemented **Infrastructure as Code (IaC)** to streamline deployments, improving efficiency and reducing manual intervention by 80%.
- Enhanced **scalability**, **consistency**, and **management** of **AWS resources** across environments, supporting development and production workflows.
  Technologies: Terraform, AWS (EC2, S3, DynamoDB), Infrastructure as Code (IaC).