

# YATIN GARG

## DEVOPS AND CLOUD ENGINEER

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### EDUCATION

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**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

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**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.

**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

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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

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### 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).