Yatin Garg (DevOps and Cloud Engineer)

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SUMMARY

- AWS DevOps Engineer with 3 years of experience in designing and automating CI/CD pipelines, managing scalable cloud infrastructure using AWS, Terraform, and Kubernetes, and delivering high-availability deployments. Demonstrated success in reducing downtime, improving system reliability, and optimizing cloud costs by applying DevOps best practices and Infrastructure as Code (IaC) principles.

EDUCATION

J.C. Bose University of Science and Technology, YMCA   **Faridabad, HR**
Bachelor of Technology (Computer Science and Engineering)   *Aug 2018 – May 2022*
*- Graduated with **8.299 CGPA***

KEY SKILLS

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

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

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

CI/CD & (IaC): CI/CD Pipeline Automation, Infrastructure as Code (IaC), Configuration Management, Infrastructure Automation, Cloud Security.

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

PROJECT EXPERIENCE

Automated CI/CD Pipeline for Django Web App (AWS, Jenkins, Docker) (Link)   *Mar 2024 – Present*

- **Developed** a real-time CI/CD pipeline using **AWS, Jenkins, GitHub Actions**, and **GitLab CI**, leading to a **40% reduction in deployment errors** and faster release cycles.
- **Integrated SonarQube and Trivy** into the pipeline to enforce **code quality and security scanning**, ensuring alignment with **OWASP compliance standards**.
- **Streamlined cloud infrastructure setup** using **Terraform** and native AWS tools**, reducing manual setup time by 80%** and enhancing consistency across environments**.

Scalable 3-Tier Flask, Nginx, MySQL Deployment on Private Cloud (Link)   *Sep 2023 – Present*

- Designed and deployed a scalable 3-tier architecture using **Nginx (load balancer)**, **Flask (backend)**, and **MySQL (database)** to support **10,000+ concurrent users**.
- Migrated to **AWS EKS** and **Docker-based workloads**, leading to a **60% reduction in system downtime** and a **50% boost in system reliability**.
- Focused on performance tuning and high availability, ensuring better **fault tolerance and uptime**.

AWS Multi-Environment Infrastructure Automation Using Terraform (Link)   *Jun 2024 – Present*

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

Technologies: Terraform, AWS (EC2, S3, DynamoDB), Infrastructure as Code (IaC).

WORK EXPERIENCE

Tata Consultancy Services   **New Delhi, India**
Systems Engineer - (AWS DevOps Engineer)   *Oct 2022 – Present*

Technologies: AWS (EC2, EKS, S3, IAM, VPC), Docker, Kubernetes, Git, Jenkins, GitLab CI, Terraform, Ansible, Linux, Harness, **JIRA**, **ServiceNow**, **Confluence**.

- **Cloud Infrastructure & Automation:** Managed and automated provisioning and scaling of **50+ cloud servers across 5+ environments**, improving system reliability and resource utilization.
- **CI/CD & Deployment Automation:** Designed and maintained **robust CI/CD pipelines** using **Jenkins**, **GitLab CI**, and **Harness**, reducing deployment time by **60%** and minimizing production failures.
- **Containerization & Orchestration:** Deployed **microservices-based applications** with **Docker** and orchestrated using **Kubernetes**, enhancing scalability, fault tolerance, and high availability.
- **Infrastructure as Code (IaC): Built codified infrastructure pipelines** with Terraform and Ansible, replacing manual configuration with scalable automation and reducing human error by 80%.
- **Monitoring, Logging & Incident Response:** Integrated **Prometheus** and **Grafana** for real-time monitoring and alerting, reducing **Mean Time to Recovery (MTTR)** by **50%** and improving system observability.