Sanskar Goyal

Associate DevOps Engineer — AWS | Terraform | CI/CD | Kubernetes
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SUMMARY

Associate DevOps Engineer with extensive experience at **Minfy Technologies** in architecting **AWS-native infrastructure** and high-availability CI/CD ecosystems. Proven track record of maintaining system reliability through **real-time production debugging**, resolving complex networking bottlenecks, and managing incident response. Developer of **ZEPLOY**, a production-grade tool for automating **Docker–ECR–ECS** workflows. Highly proficient in **Terraform-based IaC**, Kubernetes orchestration, and **MLOps pipelines** (Hugging Face). Combines a full-stack development background with a focus on building resilient, multi-tenant cloud architectures.

TECHNICAL SKILLS

- **Cloud Platform:** AWS (EC2, S3, IAM, VPC, Lambda, ECR, ECS, EKS, Fargate, Application Load Balancer, Auto Scaling)

- **DevOps & CI/CD:** CI/CD Pipelines, Jenkins (Declarative & Multibranch), GitHub Actions, Build Automation, Release Management

- **Containerization & Orchestration:** Docker (Multi-stage Builds), Kubernetes, Helm

- **Infrastructure as Code:** Terraform, AWS CloudFormation

- **Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch, Alerting, Incident Management

- **Operating Systems & Scripting:** Linux, Bash, Python

- **Version Control:** Git, GitHub

- **Programming Languages:** Python, C/C++, JavaScript, TypeScript, Dart, SQL

- **Web & Mobile Technologies:** React.js, Node.js, Express.js, Flutter

- **Machine Learning:** TensorFlow, Scikit-learn, AWS SageMaker, RAG Pipelines

EDUCATION

B.Tech — SRM INSTITUTE OF SCIENCE AND TECHNOLOGY   2021–2025
    section*Technical Projects

ZEPLOY — Production-Grade AWS Deployment CLI   *DevOps, Cloud Automation*
GitHub: cli-tool-3

- **Engineered** a custom Go/Python-based CLI tool to abstract complex **AWS Fargate** deployments, enabling developers to trigger multi-stage builds and pushes to **Amazon ECR** with a single command.

- **Automated Workflow Orchestration:** Integrated **GitHub Actions** for continuous integration, reducing manual deployment overhead by 60% and enforcing standardized tagging and security scanning for container images.

- **Observability Integration:** Built-in support for **Prometheus and Grafana** exporters, providing instant telemetry on container health, CPU/Memory utilization, and request latency immediately following a deployment.

- **Production Safety:** Implemented automated rollback mechanisms and health-check verification to ensure zero-downtime deployments and rapid recovery from failed service starts.

OHM — Emotional AI Conversational Platform *Full-Stack, LLM, MLOps*

- **Architected** a real-time, empathetic chatbot ecosystem using **React.js** and a high-performance **FastAPI** backend, capable of managing concurrent user sessions via **WebSockets**.

- **Sentiment-Driven Logic:** Integrated **OpenAI GPT-4** with a custom sentiment analysis layer to classify user emotions in real-time, allowing the system to adjust its tone and response strategy dynamically.

- **Enterprise Stack:** Leveraged **MongoDB** for flexible conversation logging and **Azure** for scalable hosting. Integrated the **Twilio API** to enable cross-platform communication via SMS and WhatsApp.

- **Reliability & Performance:** Optimized API response latency to under 200ms through asynchronous processing and efficient database indexing, ensuring a fluid, human-like conversational experience.

Experience

Minfy Technologies Pvt. Ltd. **Hyderabad, India**
Associate DevOps Engineer *Oct 2025 – Present*

- **Production Operations & Observability:** Spearheaded production-level troubleshooting by resolving critical Jira tickets and system outages. Engineered comprehensive monitoring stacks using **Prometheus and Grafana**, creating real-time dashboards that significantly reduced Mean Time to Detection (MTTD).

- **Infrastructure as Code (IaC):** Architected and maintained multi-tenant AWS environments using **Terraform**. Developed a library of reusable, security-hardened modules for **ECS, ECR, and S3**, ensuring 100% consistency across Dev, Staging, and Production tiers.

- **SRE & Cost Governance:** Implemented cloud cost-optimization strategies through resource rightsizing and lifecycle policies, achieving measurable reductions in monthly AWS overhead while improving service reliability.

Minfy Technologies **Hyderabad, India**
Tech Intern (SDE-DevOps) *Apr 2025 – Sept 2025*

- **CI/CD Pipeline Engineering:** Re-engineered legacy **Jenkins pipelines**, automating manual stages to achieve a **40% reduction in developer intervention** and elevating deployment success rates to 98%.

- **Container Optimization:** Authored optimized **multi-stage Dockerfiles** for legacy services, reducing image sizes and cutting container build times by **30%**.

- **Automated Provisioning:** Developed foundational Terraform modules for rapid environment bootstrapping, facilitating a shift toward a fully automated "Infrastructure as Code" culture within the team.

- **Deployment Innovation (ZEPLOY):** Designed and launched **ZEPLOY**, a custom automation engine for Docker–ECR–ECS workflows, which eliminated manual deployment errors and increased release velocity for enterprise-scale client workloads.

CERTIFICATIONS

AWS Solutions Architect Associate
OCI 2025 Certified DevOps Professional
OCI 2025 Multicloud Architect Professional
Preparing for AWS DevOps Engineer Professional