AVINASH KUMAR

|| Site Reliability Engineer (SRE) | DevOps Engineer ||

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PROFILE SUMMARY

Site Reliability Engineer/DevOps Engineer with **2+ years of experience** designing, operating, and improving the reliability of l**arge-scale, cloud-native production systems**. Strong expertise in **AWS, Infrastructure as Code (Terraform), CI/CD automation, containerization, monitoring, and incident response**. Experienced in defining and tracking **SLIs, SLOs, SLAs**, and **error budgets**, building observability platforms, and reducing **MTTR** through automation and disciplined incident management. Adept at partnering with software engineers to balance reliability, scalability, and delivery velocity.

CORE SKILLS

Cloud & Systems:	AWS (EC2, S3, IAM, VPC), Linux (Production)
Infrastructure as Code:	Terraform (AWS – EC2, VPC, IAM)
Containers & Orchestration:	Docker, Docker Compose, Kubernetes (EKS fundamentals)
CI/CD & Automation:	GitHub Actions, Automated Build & Deployment Pipelines
Observability:	Prometheus, Grafana, Metrics, Dashboards, Alerting
Reliability Engineering:	NGINX, HTTP, Load Balancing concepts
Web & Networking:	SLIs, SLOs, SLAs, Error Budgets, MTTR, Incident Response
DataBase:	PostgreSQL, MySQL, MongoDB, Redis
Version Control & Scripting:	Git, GitHub, Bash

EXPERIENCE

DevOps Engineer | Enveu Software Technologies | Aug 2024 – Nov 2025

- Owned reliability, availability, and performance of AWS-hosted production services.
- Defined service-level indicators (SLIs) for latency, error rate, and availability; established SLOs and SLAs aligned with business requirements.
- Designed and maintained CI/CD pipelines using GitHub Actions to enable safe, repeatable, low-risk deployments.
- Provisioned and managed infrastructure using Terraform, ensuring version-controlled and reproducible environments.
- Built observability platforms using Prometheus and Grafana, creating dashboards for traffic, saturation, latency, and errors.
- Collaborated with software engineers to improve system design, capacity planning, and operational readiness.

Associate DevOps Engineer | Frontdoor Technologies | Aug 2023 – Jul 2024

- Assisted in CI/CD pipeline execution and monitoring for application deployments across multiple environments.
- Worked with cloud-based infrastructure (AWS) to support application hosting and operational requirements.
- Supported Docker-based application deployments, troubleshooting container-level issues during releases.
- Monitored system health using monitoring and alerting tools, responding to alerts related to latency, error rates, and availability.

KEY PROJECTS

Enterprise CI/CD Pipeline on AWS

- Designed and implemented an end-to-end CI/CD pipeline using GitHub Actions for a cloud-based application.
- Automated build, test, Docker image creation, and deployment to AWS EC2.
- Configured NGINX as a reverse proxy to manage application traffic.
- Managed environment-specific configurations for dev, staging, and production.
- Reduced manual deployment errors and improved release consistency.
  Tech Stack:
- **AWS EC2, GitHub Actions, Docker, Linux, NGINX**

EDUCATION

B.Tech (Hons) – Computer Science Engineering
Lovely Professional University | 2024 | CGPA: 8.20

ADDITIONAL HIGHLIGHTS

- Production experience with AWS & Azure cloud deployments
- Strong understanding of SRE principles: reliability, automation, monitoring
- Experience supporting real-world production systems under load