Sonu Kumar

DevOps Engineer
<div align="right">Marathahalli, Bangalore</div>

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🎯 CAREER OBJECTIVE

Result-oriented **DevOps Engineer** with hands-on experience in **AWS cloud services, CI/CD pipelines, infrastructure automation, and containerized deployments**. Skilled in **Terraform, Ansible, Docker, Kubernetes, and monitoring tools**. Achieved **50% reduction in deployment time** and **30% improvement in system uptime**. Adept at streamlining processes and delivering **scalable, secure cloud solutions**.

🎓 EDUCATION

Bachelor of Engineering (B.E.) - Computer Science and Engineering
Gnanamani College of Technology (Anna University)- Namakkal, Tamil Nadu
May 2021 – May 2025 | CGPA: 7.48 / 10
🔗 gct.org.in

TECHNICAL SKILLS

Cloud Platforms: **AWS** (EC2, S3, EBS, VPC, ELB, Lambda, EKS, ECS, SNS, SQS, ECR, CloudFront, CloudWatch, Amplify, Firewall, NAT Gateways)
CI/CD & Version Control   **:** Git, GitHub, GitLab, Jenkins (CI), Jenkins X (CD), GitOps
Infrastructure as Code   **:** Terraform, Ansible
Containers & Orchestration**:** Docker, Kubernetes
Programming & Scripting   **:** Python, Bash, JSON, YAML, HCL
Monitoring & Logging   **:** Prometheus, Grafana
Databases   **:** DynamoDB, RDS, MySQL
Operating Systems   **:** Linux (Ubuntu), Windows
Networking & Security   **:** Routing, Subnetting, Firewall Rules, Security Policies, IAM

PROJECTS

Portfolio Website | **Jan 2025**
Technologies: AWS, GitHub, GitLab, Jenkins
- Designed and deployed a **portfolio website** on AWS, automating CI/CD deployments and reducing release time.
- Reduced manual deployment time by **40%** and improved version control accuracy.
- Integrated automated testing and monitoring to ensure uptime and reliability.

CI/CD Automation Project | **Mar 2025**
Technologies: Jenkins, GitLab, Docker, Kubernetes
- Built a **complete CI/CD pipeline** for a sample web application, automating build, test, and deployment stages.
- Implemented Docker containerization and Kubernetes orchestration, improving deployment speed.
- Integrated monitoring with Prometheus and Grafana, reducing incident response time by **30%**.

- Documented pipeline processes and created reusable templates, enhancing team efficiency.

Infrastructure as Code (IaC) using Terraform
Technologies: Terraform, AWS (VPC, EC2, S3), Git
- Designed Terraform scripts to provision cloud infrastructure including VPC, EC2 instances, and S3 storage.
- Enabled **version-controlled, repeatable deployments**, reducing setup time by **70%**.

Kubernetes Orchestration and Helm Deployment
Technologies: Prometheus, Grafana, ELK Stack, Docker
- Configured Prometheus and Grafana to monitor application and system metrics, reducing incident response time by **30%**.
- Deployed ELK Stack for centralized logging and visualization of application logs.
- Set up alerting for critical metrics, ensuring proactive issue resolution.

Systematized Backup and Recovery System
Technologies: Bash, Python, Ansible, AWS S3
- Developed mechanized backup scripts for databases and server files, storing backups securely in AWS S3.
- Managed deployment of backup tasks across multiple servers using Ansible, reducing manual effort.
- Implemented computerized verification and restore testing to ensure **data integrity**.

💼 EXPERIENCE

Web Development Intern   **Aug 2024**
GTL Software Pvt. Ltd.   **Pune, Maharashtra, India**

- Developed a **claims management platform** enabling verification of claims, improving workflow efficiency.
- Collaborated with cross-functional teams to ensure **scalable and secure architecture**.
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Web Development Intern   **Oct 2023**
Code Alpha   **Lucknow, Uttar Pradesh, India**
- Led a 3-member team to develop a claims management platform, improving workflow efficiency.
- Improved **page load speed** and enhanced **database query efficiency**.
- Executed automated CI/CD deployment, reducing manual release errors by 50%.

📃 CERTIFICATIONS

- Networking Essentials Certificate – Cisco Networking Academy
(View Certificate)

- Web Development Certificate – GTL Software Pvt. Ltd. (View
Certificate)

🏆 KEY ACHIEVEMENTS

- Automated deployment pipelines, reducing manual effort by **50%**.
- Deployed scalable applications on AWS using Docker and Kubernetes.
- Implemented monitoring and logging dashboards, improving incident response by 30%.
- Recognized for **proactive problem-solving** and effective team collaboration.