HARSH SOLANKI

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PROFESSIONAL SUMMARY

Results-driven Junior DevOps Engineer specializing in CI/CD pipelines, containerization, and cloud infrastructure. Expert in automating software delivery with Docker, Kubernetes, and AWS, ensuring high availability and security. Proficient in Infrastructure as Code (IaC) with Terraform, monitoring with Prometheus, and full-stack Node.js development. Committed to optimizing DevOps workflows for scalable, efficient deployments in cloud-native environments.

WORK EXPERIENCE

Junior DevOps Engineer
PSHG Technologies, April 2024 - Present

- Designed and implemented CI/CD pipelines using Jenkins, automating builds, testing, and deployments to reduce release cycles by 40% and improve software quality.

- Managed containerization and orchestration with Docker and Kubernetes, deploying microservices for high-availability applications in production environments.

- Leveraged Infrastructure as Code (IaC) with Terraform to provision and manage AWS cloud resources (EC2, S3, RDS, VPC), ensuring scalable and secure infrastructure.

- Configured monitoring and logging with Prometheus and ELK Stack for real-time system performance, uptime tracking, and incident response.

- Automated Git workflows, SSL certificate management, and database administration for PostgreSQL and MongoDB on Linux-based cloud VPS.

- Collaborated on backend development using Node.js/Express, building RESTful APIs and integrating with CI/CD for seamless, automated deployments.

EDUCATION

M.Sc. in Information Technology
University of Mumbai, Bunts Sangha Anna Leela College (Pursuing), July 2025 - Present

- Advanced coursework in cloud computing, network security, software engineering, and DevOps practices.

Bachelor of Science (B.Sc.) in Computer Science
Vivekanand College of Arts, Science and Commerce, Aug 2021 - May 2024

- Focused on programming, databases, system administration, automation scripting, and hands-on projects in DevOps tools.

TECHNICAL SKILLS

- **DevOps Tools:** Docker, Kubernetes, Terraform, Jenkins, Git & GitHub, Ansible, Prometheus, ELK Stack.
- **Cloud Platforms:** AWS (EC2, S3, RDS, VPC), Cloud-based VPS (Linux).
- **Databases:** MySQL, PostgreSQL, MongoDB.
- **Programming & Scripting:** JavaScript, Python, Bash Scripting, Node.js, Express.js, Django.
- **Other:** CI/CD Automation, Infrastructure as Code (IaC), Container Orchestration, Monitoring & Logging, Security Scanning (SonarQube, Trivy, OWASP).

CERTIFICATIONS

- DevOps Institute – Aspiring DevOps Professional (In Progress).

KEY PROJECTS

Management Systems (EduOps, Swayam Sevak & VESSA)
- Developed secure Node.js backends with RESTful APIs, integrated MongoDB/PostgreSQL, and automated cloud deployments via CI/CD pipelines for scalable, high-uptime systems.

Shipment Tracking System (Django)
- Built and deployed end-to-end Django platform with admin dashboards, secure Excel uploads, and order/shipment management on PythonAnywhere.com, using automation scripts for efficient tracking.

Lumore – Dating App Platform
- Deployed Express.js microservices on Ubuntu, configured GitHub-Jenkins CI/CD pipelines, and managed processes with PM2 for production stability and monitoring.

Starbucks Clone – Secure DevOps Pipeline
- Implemented Kubernetes deployments for React apps, integrated Jenkins & Terraform for IaC, and performed security scans with SonarQube, Trivy, and OWASP for compliance.

Web Projects Deployment
- Built, deployed, and managed HTML, CSS, JS, and PHP websites on shared hosting, ensuring secure database operations, SSL configurations, and automated backups.

ADDITIONAL INFORMATION

- Adept at DevOps best practices: version control, continuous integration, continuous deployment, and infrastructure automation.

- Experienced in troubleshooting, performance optimization, and agile collaboration with cross-functional teams.
- Eager to drive innovation in cloud-native DevOps, focusing on scalability, security, and efficiency.