Sham Ramakant Chaudhari

DevOps Engineer
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SUMMARY

Dynamic IT professional with 2+ years of experience as a System Engineer, specializing in neural networks, data mapping, development, and QA. Skilled in DevOps, CI/CD automation, cloud infrastructure, containerization (Docker, Kubernetes), and configuration management (Ansible, Terraform). Focused on optimizing software delivery, enhancing system reliability, and driving operational efficiency. Seeking to apply technical expertise to build scalable, resilient DevOps solutions.

SKILLS SUMMARY

Version Control	: Git, GitHub.
Continuous Integration/Delivery	: Jenkins.
Containerization	: Docker, Kubernetes.
Cloud Services	: AWS Services (EC2, S3, VPC, RDS, etc.) GCP
Configuration Management	: Ansible, Terraform
Monitoring & Visualization	: Prometheus, Grafana
Operating System	: Linux (Ubuntu, CentOS), Windows

PROFESSIONAL EXPERIENCE

Randstad India Pvt. Ltd. / NVIDIA Graphics Pvt. Ltd. *Chennai, India*

Project: NVIDIA DRIVE Sim

System Engineer *Aug/2022 – Present*

Roles and Responsibilities:

- **Developed and optimized scalable CI/CD pipelines**, automating software delivery and accelerating Kubernetes adoption, boosting deployment frequency by 70% and enhancing release agility.
- **Orchestrated end-to-end code integration and delivery** with Jenkins, GitHub Webhooks, and automated testing, cutting integration issues by 50% and shortening release cycles by 40%.
- **Enhanced system reliability and uptime** through infrastructure as code (IaC) and container orchestration using Kubernetes, AWS, and GCP, improving system availability by 30%.
- **Designed and implemented resilient CI/CD pipelines**, reducing deployment failures by 40% and accelerating rollback speed by 60% via automated monitoring and logging with Prometheus and Grafana.
- **Containerized applications with Docker**, achieving 60% faster environment setup and 90% consistency across dev, staging, and production, minimizing environment-specific issues.
- **Automated infrastructure provisioning and configuration management** with Terraform and Ansible, reducing manual efforts by 80% and speeding up infrastructure setup by 50%.
- **Led test automation and validation processes**, ensuring feature compliance and system performance for high-precision mapping solutions, driving product excellence.
- **Utilized advanced observability tools** and data analytics to detect anomalies in LiDAR and camera data, improving mapping accuracy and system reliability by 20%.
- **Engineered real-time map update mechanisms** for dynamic navigation, boosting road safety and responsiveness to changing traffic conditions through continuous data ingestion and processing.
- **Facilitated cross-functional collaboration** across development, QA, and operations teams to streamline test design, defect management, and incident resolution, accelerating product delivery speed.
- **Championed DevOps best practices** and fostered a culture of continuous improvement through process optimization and automated quality gates, reducing manual data review time by 30%.
- **Mentored junior engineers**, promoting a high-performance culture, driving technical innovation, and encouraging continuous learning through hands-on guidance and knowledge sharing.

DEVOPS PROJECTS

Mastering DevOps: Automating the Software Delivery Pipeline Program (PwC)
Industry Project | Jan 2025

- Designed and implemented automated CI/CD pipelines using Jenkins and GitHub, reducing deployment time by 50%.
- Provisioned scalable cloud infrastructure with Terraform, achieving 60% faster resource setup.
- Containerized applications using Docker, ensuring consistent deployments across development and production.
- Deployed and managed Kubernetes clusters, enhancing application scalability and resilience.
- Integrated Prometheus and Grafana for proactive monitoring and real-time performance visualization.

Project 1: Automated CI/CD Pipeline for a Web Application
Tools: Jenkins, Git, Docker, AWS/GCP

- Automated end-to-end CI/CD workflows, reducing manual intervention by 70%.
- Achieved 100% environment consistency through Docker containerization.
- Integrated automated testing frameworks, cutting regression testing time by 50%.
- Optimized deployment pipelines to AWS/GCP, ensuring zero-downtime releases.

Project 2: Advanced CI/CD Pipeline with Infrastructure Automation
Tools: Jenkins, Git, Docker, Kubernetes, Ansible, Terraform, AWS/GCP

- Reduced deployment errors by 80% using Jenkins and GitHub Webhooks for automated code integration.
- Automated infrastructure provisioning with Terraform, cutting setup time by 60%.
- Deployed microservices on Kubernetes clusters, improving scalability and high availability.
- Configured NGINX and Apache web servers via Ansible, ensuring consistent environments.
- Streamlined artifact management with Docker Hub, enhancing version control and release management.

CERTIFICATIONS

Mastering DevOps: Automating the Software Delivery Pipeline Program *Jan-2025*
Issued by: PWC, EDUREKA | **CERTIFICATE** *Credential ID: 5E212853P*
DevOps Engineer *Jan-2025*
Issued by: EDUREKA | **CERTIFICATE** *Credential ID: L2QG5C9GQ*
Cloud Computing *Feb-2025*
Issued by: ACMEGRADE | **CERTIFICATE** *Credential ID: AGC2025010975*

EDUCATION

G H Raisoni College of Engineering and Management (NMU) *Jalgaon, India*
Bachelor of Engineering, (First Class) *(2013 - 2017)*
Shree Sant Muktabai Institute of Technology. *Jalgaon, India*
Diploma, (First Class) *(2010 - 2013)*
Kashibai Ukhaji Kolhe Vidyalaya & College. *Jalgaon, India*
SSC, (First Class) *(2001 - 2010)*

PERSONAL DETAILS

- **Date of Birth**: 9TH March 1994.
- **Languages Known**: English, Hindi & Marathi.
- **Address:** A 204 Sarita Sangam society Shastri Nagar Kasarwadi, Pune-411034.

DECLARATION

I hereby declare that the information and details furnished above are true and correct to the best of my knowledge. Looking forward to receiving your response and thanking you in anticipation