

VANSHAJ SRIVASTAVA

DevOps and Automation Engineer

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Summary

DevOps Engineer with production-level experience in AWS, Kubernetes (EKS), Docker, CI/CD, GitOps, and Infrastructure as Code (IaC). Delivered automated cloud deployments and CI/CD pipelines across sandbox and pre-production environments, reducing manual deployment effort by 40% and improving release reliability. Strong expertise in Terraform, Jenkins, GitHub Actions, cloud monitoring, and Linux systems. MSc in Cloud Computing with a focus on scalable, secure, and highly available cloud automation.

Experience

DevOps Engineer Intern | Appinventiv | Remote, UK

Sept 2025 – Present

- Executed end-to-end DevOps tasks independently across sandbox and pre-production environments.
- Built, maintained and optimised 10+ CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment time by 35%.
- Designed and Configured AWS services (EC2, VPC, IAM, Auto Scaling), improving environment stability and security compliance.
- Provisioned and operated 15+ containerized microservices on Amazon EKS, enabling auto-scaling (HPA).
- Established monitoring and alerting with CloudWatch, Grafana, and Loki, cutting incident response time by 30%.
- Automated infrastructure provisioning using Terraform and CloudFormation, improving deployment consistency 45%.
- Orchestrated GitOps workflows using ArgoCD, enabling automated, auditable zero-downtime Kubernetes deployments.
- Integrated automated test suites using PyTest/Robot Framework into CI/CD pipelines to validate builds before deployment.

Skills

DevOps Tools: Docker, Kubernetes, Helm, Jenkins, GitHub Actions, GitLab CI, ArgoCD

Cloud Platforms: Amazon Web Services, Microsoft Azure

Scripting & Automation: Bash, Shell Scripting, Python

Monitoring & Security: CloudWatch, Grafana, Loki, AWS Secrets Manager, GuardDuty, WAF, CloudTrail, IAM

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB

Networking & Cloud Infrastructure: VPC, Security Groups, ACLs, Firewalls, Load Balancers

Storage & CDN: Amazon S3, CloudFront

Languages: Python, Java, Ruby, JavaScript, SQL

Version Control & Tools: Git, GitHub, GitLab, VS Code

Testing & Automation: PyTest, Robot Framework, CI-based test automation

Education

Master of Science (MSc)-Cloud Computing

Jan 2024–Jul 2025

University Of Leicester | Leicester, UK

Bachelor of Engineering-Computer Science & Engineering

Aug 2019–Jun 2023

Savitribai Phule Pune University | Pune, India

Higher Secondary

April 2018–May 2019

St John's, Marhauli | Varanasi, India

Projects

DevOps Infrastructure Automation Projects – AWS, Terraform, Kubernetes, Bash Scripting

July 2025 - Aug 2025

- Automated AWS infrastructure provisioning using Terraform and CI/CD pipelines, cutting setup time by 50%.
- Deployed containerized applications on Kubernetes with auto-scaling and monitoring.
- Implemented CloudWatch alarms with SNS notifications for proactive incident response.
- Automated system maintenance tasks include updates, log cleanup, and S3 backups using Bash scripting.

MSc Dissertation – NLP-Based Reasoning Engine

Jan 2025 – May 2025

- Designed an explainable NLP pipeline to extract and reason over unstructured data
- Built using spaCy, medSpaCy, GPT APIs, and graph-based reasoning techniques
- Build an explainable NLP pipeline for reasoning and justifications.
- Delivered an explainable AI engine for healthcare, improving transparency in decision-making