VIKAS PANDEY
DEVOPS ENGINEER

ABOUT ME

Results-driven DevOps Engineer with expertise in cloud computing, automation, and CI/CD pipeline optimization. Transitioned from Digital Marketing (5+ years) to DevOps, leveraging skills in web infrastructure, cloud automation, and scripting. Proficient in AWS, Kubernetes (EKS), Terraform, CI/CD pipelines, and cloud security. Adept at designing scalable, cost-efficient, and high-availability infrastructures while optimizing deployment workflows. Passionate about cloud security, infrastructure automation, and DevOps best practices.

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SKILLS

✅ Cloud Platforms: AWS (EC2, S3, RDS, Lambda, VPC, IAM, CloudFormation)

✅ Containerization & Orchestration: Docker, Kubernetes (EKS)

✅ Infrastructure as Code (IaC): Terraform, CloudFormation

✅ CI/CD & Automation: Jenkins, GitHub Actions, GitLab CI/CD

✅ Configuration Management: Ansible

✅ Monitoring & Logging: Prometheus, Grafana, ELK Stack

✅ Scripting: Python, Bash, PowerShell, Linux

✅ Security & Compliance: IAM, AWS Security Groups, Vault, DevSecOps

EXPERIENCE

DevOps Engineer at Deintellect | 2022 - Present

- **Cloud Migration & Optimization:**
Migrated a high-traffic e-commerce website from traditional hosting to AWS EKS, reducing infrastructure costs by 25% and improving scalability.
- **CI/CD Automation:**
Designed and automated CI/CD pipelines using Jenkins and Docker, cutting deployment time by 60% and enabling zero-downtime deployments.
- **Infrastructure as Code (IaC):**
Developed Terraform modules for AWS infrastructure provisioning, reducing deployment errors by 40% and increasing system reliability.
- **Monitoring & Performance:**
Integrated Prometheus, Grafana, and ELK Stack for real-time system monitoring, improving issue detection and resolution time by 50%.
- **Security & Compliance:**
Implemented IAM policies and AWS Security Groups to enforce access controls and ensure regulatory compliance.
- **Automation & Configuration Management:**
Used Ansible to automate server provisioning, reducing manual setup time by 80%.

KEY PROJECTS

1 Serverless Trading Dashboard Using AWS Lambda, API Gateway & DynamoDB
- Developed a real-time trading dashboard using AWS Lambda, API Gateway, and DynamoDB.
- Integrated stock market data APIs to fetch live trading insights.
- Deployed a fully serverless architecture, eliminating infrastructure management overhead.
- Optimized API Gateway configurations for low-latency request processing.
- Designed DynamoDB tables with efficient indexing to enable fast query performance.

2 Scalable E-Commerce Platform on AWS with Kubernetes
- Migrated a monolithic application to a microservices architecture using Kubernetes (EKS).
- Implemented auto-scaling, load balancing, and Helm charts for efficient deployment management.
- Improved uptime to 99.9% by automating failover mechanisms.

3 Automated Infrastructure Deployment with Terraform & Ansible
- Developed Terraform modules to automate AWS resource provisioning, ensuring repeatability and consistency.
- Integrated Terraform with Jenkins CI/CD pipelines for on-demand infrastructure deployments.
- Used Ansible for configuration management, reducing manual intervention by 80%.

4 AWS Cost Optimization & Performance Monitoring
- Designed and implemented cost optimization strategies, reducing AWS expenses by 30%.
- Configured CloudWatch, Prometheus, and Grafana dashboards for real-time performance monitoring.
- Automated log analysis with AWS Lambda, improving troubleshooting efficiency.

5 Email Automation Using AWS Lambda & SES
- Built an automated email notification system using AWS Lambda, Simple Email Service (SES), and Python.
- Integrated event-driven triggers to send transactional emails based on real-time system events.
- Used AWS CloudWatch Logs and SNS alerts for monitoring email delivery and failures.

6 Text-to-Speech Converter Using AWS Polly & DevOps Automation
- Developed a Text-to-Speech (TTS) application using AWS Polly, converting text into lifelike speech.
- Automated deployments using Terraform and AWS Lambda, reducing manual setup time.
- Integrated with an API Gateway for on-demand text-to-audio conversion, allowing real-time user interactions.

CAREER TRANSITION: DIGITAL MARKETING → DEVOPS

- 5+ years in Digital Marketing – Specialized in SEO, website optimization, and data analytics, improving website performance and automation workflows.
- Hands-on experience with cloud-based tools – Managed DNS, hosting, and website infrastructure, sparking interest in cloud technologies.
- Developed strong technical skills – Self-learned AWS, Linux, Terraform, Kubernetes, and CI/CD, gaining expertise through courses, labs, and real-world projects.
- Built and deployed CI/CD pipelines – Automated deployments using Jenkins, GitHub Actions, and Docker to streamline software delivery.
- Migrated high-traffic websites to AWS EKS – Improved scalability, security, and cost efficiency by transitioning from traditional hosting.
- Infrastructure as Code (IaC) expertise – Automated cloud provisioning and configuration using Terraform and Ansible.
- Bridging Marketing & DevOps – Experience in web infrastructure, automation, scripting, and collaboration with IT teams provided a smooth transition into cloud automation and DevOps best practices.

EDUCATION

🎓 **Bachelor of Engineering in Electronics & Communication (2012 – 2016)**