

DevOps & Cloud Engineering - Service Description Document

Summary:

Sandhata Technologies offers comprehensive DevSecOps solutions that meet the needs of modern IT environments. Our team of professionals combines expertise in development, operations, and automation to streamline workflows and accelerate time-to-market for clients. A focus on efficiency, reliability, and scalability, empowers businesses to achieve their objectives through cutting-edge DevSecOps practices.

Services:

1. DevOps Consultation:

- Our experienced consultants work closely with your team to assess your current infrastructure, workflows, and processes.
- We identify opportunities for improvement and devise a customized DevOps strategy aligned with your business goals.
- Through collaborative workshops and assessments, we help you prioritize initiatives and create a roadmap for implementation.

2. Continuous Integration and Continuous Delivery (CI/CD) Pipeline Setup:

- We design and implement robust CI/CD pipelines tailored to your specific application requirements.
- Automation of build, test, and deployment processes ensures rapid and reliable delivery of code changes.
- Our expertise spans a wide range of CI/CD tools such as Jenkins, GitLab CI/CD, CircleCI, and Travis CI.

3. Infrastructure as Code (IaC) Implementation:

- Leveraging tools like Terraform, AWS CloudFormation, and Ansible, we enable infrastructure provisioning and management through code.
- IaC reduces manual intervention, minimizes configuration drift, and enhances consistency across environments.
- Our team assists in defining infrastructure templates, versioning configurations, and implementing best practices for infrastructure automation.

4. Containerization and Orchestration:

- We help modernize your application deployment using containerization technologies like Docker and container orchestration platforms such as Kubernetes.
- Containerization improves portability, scalability, and resource utilization while streamlining deployment workflows.
- Our experts guide you through containerization strategies, container image management, and Kubernetes cluster setup and optimization.

5. Monitoring and Logging Solutions:

- We implement comprehensive monitoring and logging solutions to ensure the health, performance, and security of your applications and infrastructure.
- Tools like Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana), and Datadog provide real-time insights into system metrics, logs, and events.

- Customized dashboards and alerts empower your team to proactively identify and resolve issues before they impact users.

6. Security Automation and Compliance:

- Security is embedded into every stage of the DevOps lifecycle with automated security testing, vulnerability scanning, and compliance checks.
- Integration of security tools such as SonarQube, OWASP ZAP, and Docker Bench enhances the security posture of your applications and infrastructure.
- We assist in implementing secure coding practices, establishing access controls, and achieving regulatory compliance (e.g., GDPR, HIPAA, PCI-DSS).

7. Cloud Migration and Optimization:

- Our cloud experts facilitate seamless migration of your applications and workloads to public, private, or hybrid cloud environments.
- We optimize cloud infrastructure for performance, cost-effectiveness, and scalability, leveraging services from AWS, Azure, Google Cloud, and others.
- Continuous monitoring and optimization ensure efficient resource utilization and alignment with business objectives.

8. Training and Workshops:

- We offer customized training sessions and workshops to upskill your team on DevOps concepts, tools, and best practices.
- Hands-on labs and simulations provide practical experience in implementing DevOps techniques within your organization.
- Training programs can be tailored for different roles, including developers, operations engineers, and management.

Sandhata Technologies is your trusted partner in driving digital transformation through DevOps excellence. Whether you are embarking on a DevOps journey or seeking to optimize your existing practices, we deliver tailored solutions to meet your unique needs and propel your business forward. Contact us today to start your DevOps transformation journey.