

DevOps Tools and Services

Version Control

- **GitHub**: Industry-standard Git repository hosting
- **GitLab**: Complete DevOps platform with repository management
- **Bitbucket**: Enterprise Git solution by Atlassian

CI/CD

- **Jenkins**: Most popular self-hosted automation server
- **GitHub Actions**: Native GitHub CI/CD solution
- **GitLab CI/CD**: Integrated pipeline tool
- **CircleCI**: Leading cloud-based CI platform

Containerization & Orchestration

- **Docker**: De facto container platform
- **Kubernetes**: Leading container orchestration platform
- **Amazon EKS**: Managed Kubernetes on AWS
- **Google GKE**: Google's Kubernetes Engine
- **Azure AKS**: Microsoft's Kubernetes Service

Infrastructure as Code

- **Terraform**: Industry-standard infrastructure provisioning
- **AWS CloudFormation**: Native AWS infrastructure automation
- **Ansible**: Leading configuration management tool

Cloud Platforms

- **AWS**: Amazon Web Services - market leader
- **Azure**: Microsoft's enterprise cloud platform
- **GCP**: Google Cloud Platform

Monitoring & Observability

- **Prometheus**: Standard for metrics monitoring

- **Grafana:** Leading metrics visualization
- **ELK Stack:** Popular log management suite
- **Datadog:** Enterprise monitoring platform

Security

- **SonarQube:** Code quality and security standard
- **HashiCorp Vault:** Secrets management
- **TrivyFS:** Container and filesystem security scanner