

APPLICATIONS

Version Control & Collaboration

1. GitHub – Used for source code management and collaboration.

 <http://github.com>

2. GitLab – Alternative to GitHub, used for CI/CD and repository management.

 <http://gitlab.com>

CI/CD Tools

3. Jenkins – Automates build, test, and deployment processes.

 <http://www.jenkins.io>

4. GitHub Actions – CI/CD automation within GitHub repositories.

 <http://github.com/features/actions>

5. GitLab CI/CD – Built-in CI/CD pipeline for GitLab repositories.

 <http://about.gitlab.com/stages-devops-lifecycle/continuous-integration/>

6. ArgoCD – Kubernetes-native GitOps continuous deployment tool.

 <http://argo-cd.readthedocs.io>

Infrastructure as Code (IaC) & Configuration Management

7. Terraform – Automates infrastructure provisioning.

 <http://www.terraform.io>

8. Ansible – Configuration management and deployment automation.

 <http://www.ansible.com>

9. Helm – Package manager for Kubernetes applications.

 <http://helm.sh>

Containerization & Orchestration


10. Docker – Used for containerizing applications.

 <http://www.docker.com>

11. Kubernetes (K8s) – Orchestrates and manages containerized applications.

 <http://kubernetes.io>

12. Minikube – Local Kubernetes cluster for development and testing.

 <http://minikube.sigs.k8s.io/docs/>

Monitoring & Logging

13. Prometheus – Collects and stores monitoring metrics.

 <http://prometheus.io>

14. Grafana – Creates visual dashboards for monitoring data.

 <http://grafana.com>

15. ELK Stack (Elasticsearch, Logstash, Kibana) – Centralized logging and data visualization.

 <http://www.elastic.co/elastic-stack>

Testing & Security

16. JUnit – Unit testing framework for Java applications.

 <http://junit.org>

17. PyTest – Python testing framework.

 <http://pytest.org>