Deployment Pipeline

Git Commit → **Build & Test** (GitHub Actions) → **Docker Build** (Container) → **Staging** (Testing) → **Production** (Live)
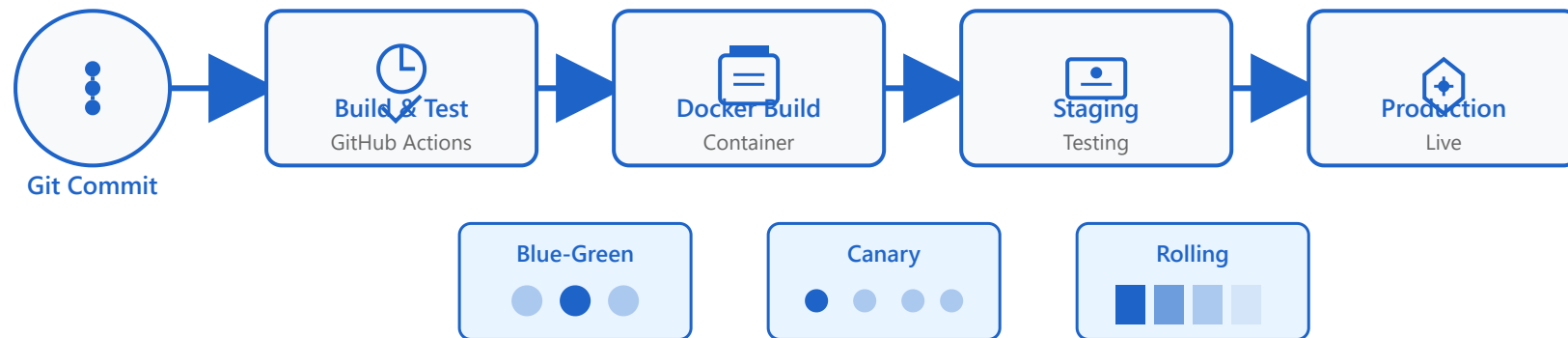
Blue-Green

Canary

Rolling

CI/CD Configuration

- GitHub Actions Workflow
- Automated Build & Test
- Docker Image Creation

Deployment Flow

- Development → Staging → Production
- Blue-Green Deployment
- Canary Release

Infrastructure Management

- Infrastructure as Code (Terraform)

Deployment Automation

- Automatic Rollback Mechanism

- Kubernetes Orchestration

- Auto Scaling Configuration

- Health Check Monitoring

- Deployment Notification System