

# GitHub Actions Workflow Quick Reference

## 🚀 Workflow Overview

**Name:** CI/CD Pipeline

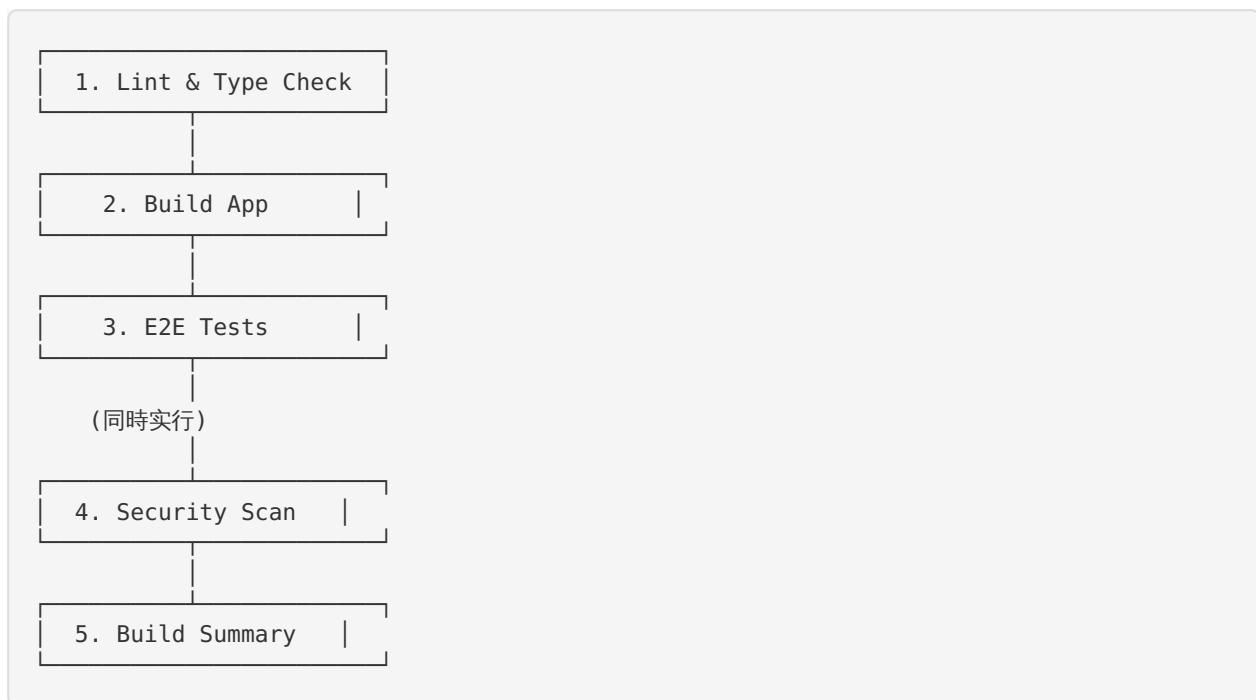
**File:** `.github/workflows/ci-cd.yml`

**Status:** <https://github.com/salimemp/pro-pdf/actions>

## 🔗 Quick Links

- **Actions Dashboard:** <https://github.com/salimemp/pro-pdf/actions>
- **Latest Run:** <https://github.com/salimemp/pro-pdf/actions/workflows/ci-cd.yml>
- **Workflow File:** <https://github.com/salimemp/pro-pdf/blob/master/.github/workflows/ci-cd.yml>

## 📊 Pipeline Stages



## 🔧 Jobs Breakdown

### 1. Lint and Type Check

- ✅ TypeScript compilation
- ⚠️ ESLint (warnings only)
- ⏱ ~2-3 minutes

### 2. Build Application

- 📦 Install dependencies
- 🔧 Generate Prisma client
- 🏙 Build Next.js app

- Upload artifacts
- ~5-7 minutes

### 3. E2E Tests

- PostgreSQL database
- Playwright + Chromium
- Database seed
- Run tests
- Upload screenshots on failure
- ~8-10 minutes

### 4. Security Scan

- Vulnerability audit
- Dependency check
- ~1-2 minutes

### 5. Build Status Summary

- Aggregate results
- ~30 seconds

**Total Pipeline Time:** ~15-20 minutes

## Triggers

### Automatic

```
# Pushes to master/main
git push origin master

# Pull requests to master/main
git push origin feature/my-branch
# Then create PR on GitHub
```

### Manual

1. Go to Actions tab
2. Select “CI/CD Pipeline”
3. Click “Run workflow”
4. Choose branch
5. Run

## Viewing Results

### Status Badge

Add to your README:

```
[ ! [CI/CD Pipeline](https://github.com/salimemp/pro-pdf/actions/workflows/ci-cd.yml/badge.svg)](https://github.com/salimemp/pro-pdf/actions/workflows/ci-cd.yml)
```

## Job Logs

1. Go to Actions tab
2. Click on workflow run
3. Click on job name
4. View detailed logs

## Artifacts

1. Open workflow run
2. Scroll to “Artifacts” section
3. Download:
  - build-artifacts (7 days retention)
  - playwright-report (7 days retention)
  - test-screenshots (7 days, on failure)



## Common Issues

### ✖ TypeScript Errors

```
# Local check
yarn tsc --noEmit
```

### ✖ Build Failures

```
# Local build
yarn build
```

### ✖ Test Failures

```
# Run specific test
yarn playwright test e2e/auth.spec.ts

# Debug mode
yarn playwright test --debug

# View report
yarn playwright show-report
```



## Security Vulnerabilities

```
# Check vulnerabilities
yarn audit

# Fix automatically
yarn audit fix

# Interactive upgrade
yarn upgrade-interactive
```



## Environment Variables

```
# Required for all runs
NODE_OPTIONS: '--max-old-space-size=4096'
__NEXT_TEST_MODE: '1'
NEXT_DIST_DIR: '.build'

# E2E tests only
DATABASE_URL: postgresql://testuser:testpassword@localhost:5432/testdb
NEXTAUTH_SECRET: test_secret_key_for_github_actions
NEXTAUTH_URL: http://localhost:3000
```



## Configuration Files

- `.github/workflows/ci-cd.yml` - Main workflow
- `playwright.config.ts` - E2E test config
- `tsconfig.json` - TypeScript config
- `.eslintrc.json` - Linting rules
- `package.json` - Scripts and dependencies



## Additional Resources

- **Full Guide:** See `CI_CD_GUIDE.md`
- **GitHub Actions:** <https://docs.github.com/en/actions>
- **Playwright CI:** <https://playwright.dev/docs/ci>
- **Next.js CI/CD:** <https://nextjs.org/docs/deployment>



## Pre-Push Checklist

- [ ] Run `yarn tsc --noEmit`
- [ ] Run `yarn lint`
- [ ] Run `yarn build`
- [ ] Run `yarn playwright test`
- [ ] Commit with meaningful message
- [ ] Push to feature branch first
- [ ] Create PR for review
- [ ] Check CI/CD status
- [ ] Merge when green

**Need Help?** Check the [full CI/CD guide](#) (`./CI_CD_GUIDE.md`)