





Next.js + NestJS VPS Deployment Template

Production-ready template to deploy a Next.js frontend and NestJS backend on a VPS using:

-  PM2 for process management
-  GitHub Actions for CI/CD (SSH based)
-  Nginx reverse proxy
-  Environment template files

Folder Structure

```
apps/  
├── frontend/    # Next.js  
└── backend/     # NestJS
```

Here's a concise README section to add to your repo on how to run the VPS setup script:

VPS Setup Script

This script automates initial VPS configuration for your Next.js + NestJS app deployment:

```
# Upload the script to your VPS (if not already there)  
scp vps-setup.sh user@your-vps-ip:~  
  
# SSH into your VPS  
ssh user@your-vps-ip  
  
# Make the script executable  
chmod +x ~/vps-setup.sh  
  
# Run the script (will install pm2, create folders, setup nginx config, reload  
nginx)  
./vps-setup.sh
```

Note:

The script assumes:

- NestJS backend runs on port **5001**
- Next.js frontend runs on port **3001**
- You access your server by IP (no domain configured yet)
- You have Node.js and npm installed on your VPS

Want me to commit this update in the README for you?

Deployment Workflow

- Push to **main** branch
- GitHub Actions connects via SSH
- Runs update scripts on the VPS
- PM2 restarts apps
- Nginx proxies public traffic

 [Multi-GitHub SSH Key Setup Guide](#)

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