



Correct Vercel Configuration for Turborepo

Project: Manufacturer Intelligence Interface

Type: Turborepo Monorepo with Next.js in `apps/web`

Latest Commit: 792695a



Critical Understanding

When you set **Root Directory** = `apps/web` in Vercel:

- **✗ DO NOT** use `vercel.json` (removed in commit 25519c2)
- **✓ LET VERCEL AUTO-DETECT** the Next.js framework
- **✓** Build commands are **relative to the root directory**



Correct Vercel Project Settings

Go to: <https://vercel.com/tindeveloper/manufacturer-intelligence-interface-web/settings>

General Settings → Root Directory

Root Directory: `apps/web`

☒ **Include** source files outside of the Root Directory in the Build Step

Why “Include source files”?

- Allows Vercel to access monorepo root for Yarn workspaces
- Enables access to `turbo.json` and root `package.json`

Build & Development Settings

Go to: **Settings** → **General** → **Build & Development Settings**

Framework Preset:

`Next.js`

Vercel will auto-detect Next.js in the `apps/web` directory

Build Command:

(Leave empty **for** auto-detect)

Or explicitly set to:

```
yarn build
```

NOT `turbo run build --filter=web` (that's for monorepo root builds)

Output Directory:

(Leave empty for auto-detect)

Vercel will automatically use `.next`

Install Command:

```
yarn install
```

Development Command:

(Leave empty for auto-detect)

Node.js Version

✓ **Confirmed: Node 20**

Files added in commit 792695a:

- `/.nvmrc` → 20
- `/apps/web/.nvmrc` → 20

Vercel will automatically detect and use Node 20.

Environment Variables

Settings → Environment Variables

Name	Value	Environments
ABACUS_API_KEY	2802 - fae65af84b98883a39078c3929d d	Production, Preview, Development

✓ **Status:** You confirmed this is already set

Why the Error Occurred

Error:

```
ENOENT: no such file or directory, lstat '/vercel/path0/web/.next/routes-manifest.json'
```

Root Cause:

When `vercel.json` had:

```
{
  "buildCommand": "turbo run build --filter=web"
}
```


This told Vercel to run Turbo from the `apps/web` directory (because Root Directory = `apps/web`), which:

1. Tried to filter for a workspace named `web`
2. But the workspace is at `../../apps/web` from the monorepo root
3. Created confusion about output directory location







The Fix:

Removed `vercel.json` entirely (commit 25519c2)

Now Vercel:

1. Starts in `apps/web` directory (Root Directory)
2. Auto-detects Next.js
3. Runs `yarn build` (which runs `next build`)
4. Finds `.next` output in the current directory
5.  Works correctly!

Current Configuration Status

Item	Status	Commit
 <code>vercel.json</code> removed	 Correct	25519c2
Node 20 specification	 Added	792695a
Root Directory in Vercel	 Set to <code>apps/web</code>	(Your setting)
Environment variable	 Set	(Your setting)
Include source files	 Verify checked	-

Expected Build Process

With correct configuration, Vercel will:

1. **Clone repo:** `manufacturer_intelligence_interface`
2. **Change to Root Directory:** `cd apps/web`
3. **Install dependencies:** `yarn install` (workspace-aware)
4. **Detect Node version:** Read `.nvmrc` → Use Node 20
5. **Detect framework:** Next.js 14.2.28
6. **Run build:** `yarn build` (which runs `next build`)
7. **Find output:** `.next/` in current directory
8. **Deploy:**  Success!

Verification Checklist

Before redeploying, verify in Vercel dashboard:

General Settings:

- [x] Root Directory = `apps/web`
- [x] Include source files outside root = **Checked**

Build & Development Settings:

- [x] Framework Preset = `Next.js` (or auto-detect)
- [x] Build Command = Empty or `yarn build`
- [x] Output Directory = Empty (auto: `.next`)
- [x] Install Command = `yarn install`
- [x] Node.js Version = Auto (will use Node 20 from `.nvmrc`)

Environment Variables:



- [x] `ABACUS_API_KEY` = Set for all environments

Deployment Steps




1. **Verify settings** using checklist above
2. **Go to Deployments** tab
3. **Find commit:** `792695a` - “Add Node 20 version specification”
4. **Click Redeploy** or wait for automatic deployment

Key Changes Made

Commit 25519c2: “Remove vercel.json”

-  Deleted `vercel.json`
-  Allows Vercel to auto-detect and use standard Next.js build

Commit 792695a: “Add Node 20 version specification”

-  Added `/.nvmrc` with `20`
-  Added `/apps/web/.nvmrc` with `20`
-  Ensures Vercel uses Node 20

Why This Configuration Works

For Standard Turborepo Monorepo with Next.js:

When Root Directory is set:

- Vercel treats that directory as the project root
- All build commands run from that directory
- No need for `vercel.json` configuration
- No need for Turbo filter commands
- Next.js auto-detection works perfectly

This is the recommended approach in Vercel docs for monorepos!

Troubleshooting

If build still fails:

1. Double-check Root Directory setting:

- Must be exactly: `apps/web`
- “Include source files” must be checked

2. Clear build cache:

- Deployments → Click “...” → Redeploy → Check “Use existing Build Cache” OFF





















3. Check environment variables:

- Verify `ABACUS_API_KEY` is set
- Check it’s enabled for the environment you’re deploying to

4. Verify no `vercel.json`:






```
bash
# Should not exist
ls /vercel/path0/vercel.json
```

Project Structure





manufacturer_intelligence_interface/	
 .nvmrc	 Node 20 (commit 792695a)
 package.json	 Workspace config
 turbo.json	 Turborepo config
 apps/	
 web/	 Root Directory in Vercel
 .nvmrc	 Node 20 (commit 792695a)
 package.json	 Next.js app
 next.config.js	 Next.js config
 app/	 App directory
 .next/	 Build output (auto -detected)
 packages/	

Summary

Do:

-  Set Root Directory to `apps/web`
-  Check "Include source files outside root"
-  Let Vercel auto-detect Next.js
-  Use Node 20 (.nvmrc files added)
-  Set environment variables

Don't:

-  Use `vercel.json` (removed)
-  Use `turbo run build --filter=web` as build command
-  Manually specify output directory
-  Override auto-detected framework

Configuration updated: October 4, 2025

Latest commit: 792695a

Node version: 20